

# GAMSCO

## DIGITAL PANEL METER



### DIGITAL PANEL METER

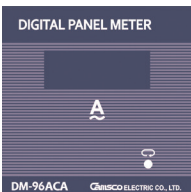
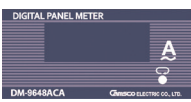
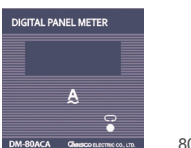
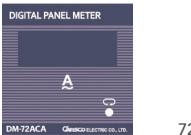
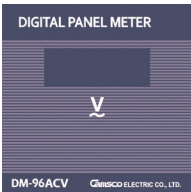
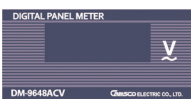
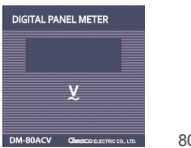
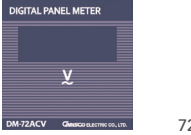
DM-96 SERIES

DM-9648 SERIES

DM-80 SERIES

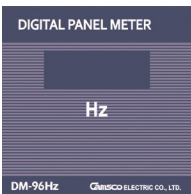
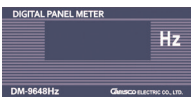
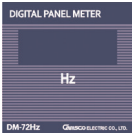
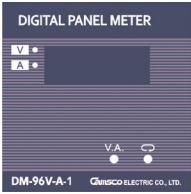
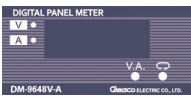
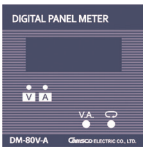
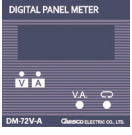
DM-72 SERIES



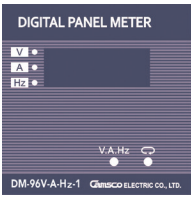
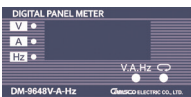
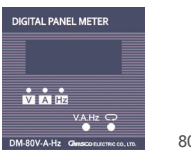
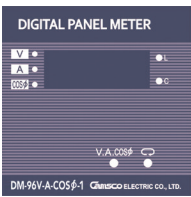
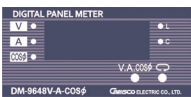
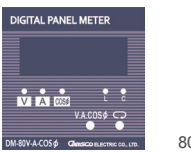
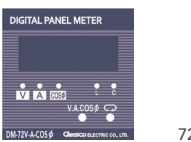
| DISPLAY             |                                                                                                | 4 DIGITS LED MAX.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            |                                                                                                | $\pm 0.5\% \pm 2$ DIGIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| OPERATING CONDITION |                                                                                                | -10°C ~50°C (20% to 90% RH non- condensed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DIELECTRIC STRENGTH |                                                                                                | AC 2KV / 1min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AUX. POWER          |                                                                                                | AC 110V / 220V 50 / 60 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ITEM NO.            | PICTURE                                                                                        | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-96ACA            | <br>96X96mm   | <ul style="list-style-type: none"> <li>Function:Ammeter</li> <li>0.56 inch LED display</li> <li>Measurement range:                             <ul style="list-style-type: none"> <li>*Direct measurement current:AC 5A</li> <li>*For current above 5A,current transformer(C.T.)must be used.</li> <li>*Press key "  " to select desirable C.T. ratio.</li> <li>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> </li> </ul> |
| DM-9648ACA          | <br>96X48mm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-80ACA            | <br>80X80mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-72ACA            | <br>72X72mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-96ACV            | <br>96X96mm | <ul style="list-style-type: none"> <li>Function:Voltmeter</li> <li>0.56 inch LED display</li> <li>Measurement range:AC 50V-600V</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DM-9648ACV          | <br>96X48mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-80ACV            | <br>80X80mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-72ACV            | <br>72X72mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |





| DISPLAY             |                                                                                                | 4 DIGITS LED MAX.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            |                                                                                                | $\pm 0.5\% \pm 2$ DIGIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| OPERATING CONDITION |                                                                                                | -10°C ~50°C (20% to 90% RH non- condensed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DIELECTRIC STRENGTH |                                                                                                | AC 2KV / 1min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| AUX. POWER          |                                                                                                | AC 110V / 220V 50 / 60 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ITEM NO.            | PICTURE                                                                                        | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-96HZ             | <br>96X96mm   | <ul style="list-style-type: none"> <li>• Function:Frequencymeter</li> <li>• 0.56 inch LED display</li> <li>• Measurement range:AC 50V-600V 1-99.99HZ</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-9648HZ           | <br>96X48mm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-80HZ             | <br>80X80mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-72HZ             | <br>72X72mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-96V-A-1          | <br>96X96mm | <ul style="list-style-type: none"> <li>• Function: Voltmeter+Ammeter<br/>Press "V.A." key to select A or V display.</li> <li>• 0.56 inch LED display</li> <li>• Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↻" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,<br/>75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,<br/>300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,<br/>1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,<br/>5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |
| DM-9648V-A          | <br>96X48mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-80V-A            | <br>80X80mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| DM-72V-A            | <br>72X72mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

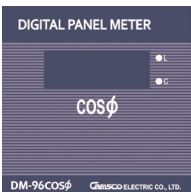
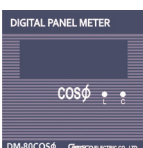
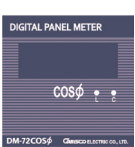
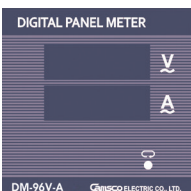


| DISPLAY             | 4 DIGITS LED MAX.9999                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OPERATING CONDITION | -10°C ~50°C (20% to 90% RH non- condensed)                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DIELECTRIC STRENGTH | AC 2KV / 1min                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ITEM NO.            | PICTURE                                                                             | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DM-96V-A-HZ-1       |    | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Frequencymeter<br/>Press "V.A.HZ" key to select V or A or HZ display.</li> <li>0.56 inch LED display</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↺" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>Frequencymeter :1-99.99HZ</li> </ul>               |
| DM-9648V-A-HZ       |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-80V-A-HZ         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-72V-A-HZ         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-96V-A-COSφ-1     |  | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Power factor meter<br/>Press "V.A.COSφ" key to select V or A or COSφ display.</li> <li>0.56 inch LED display</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↺" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>Power factor meter:Single phase</li> </ul> |
| DM-9648V-A-COSφ     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-80V-A-COSφ       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DM-72V-A-COSφ       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



| DISPLAY             | 4 DIGITS LED MAX.9999                      |                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                    |                                                                                                                                                                                                                                                                                                                                                                                                                |
| OPERATING CONDITION | -10°C ~50°C (20% to 90% RH non- condensed) |                                                                                                                                                                                                                                                                                                                                                                                                                |
| DIELECTRIC STRENGTH | AC 2KV / 1min                              |                                                                                                                                                                                                                                                                                                                                                                                                                |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                  |                                                                                                                                                                                                                                                                                                                                                                                                                |
| ITEM NO.            | PICTURE                                    | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                         |
| DM-96V-A-W-1        | <br>96X96mm                                | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Wattmeter</li> <li>Press "V.A.W" key to select V or A or W display.</li> <li>0.56 inch LED display</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V</li> </ul>                                                                                                                                                                        |
| DM-9648V-A-W        | <br>96X48mm                                | <ul style="list-style-type: none"> <li>Ammeter :</li> <li>*Direct measurement current:AC 5A</li> <li>*For current above 5A,current transformer(C.T.)must be used.</li> <li>*Press key "↺" to select desirable C.T. ratio.</li> </ul>                                                                                                                                                                           |
| DM-80V-A-W          | <br>80X80mm                                | <ul style="list-style-type: none"> <li>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |
| DM-72V-A-W          | <br>72X72mm                                | <ul style="list-style-type: none"> <li>Wattmeter:Single phase Max.9999KW</li> </ul>                                                                                                                                                                                                                                                                                                                            |
| DM-96W              | <br>96X96mm                                | <ul style="list-style-type: none"> <li>Function:Wattmeter</li> <li>0.56 inch LED display</li> <li>System:please do advice as below:<br/>*3phase 3wires(unbalanced line)<br/>*3phase 4wires(unbalanced line)</li> <li>Measurement range:Max.9999kw</li> </ul>                                                                                                                                                   |
| DM-9648W            | <br>96X48mm                                | <ul style="list-style-type: none"> <li>Input voltage :AC 50V-600V</li> <li>Input current :</li> <li>*For current below 5A,the meter can be used directly.</li> <li>*For current above 5A,current transformer(C.T.)must be used.</li> <li>*Press key "↺" to select desirable C.T. ratio.</li> </ul>                                                                                                             |
| DM-80W              | <br>80X80mm                                | <ul style="list-style-type: none"> <li>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |
| DM-72W              | <br>72X72mm                                |                                                                                                                                                                                                                                                                                                                                                                                                                |



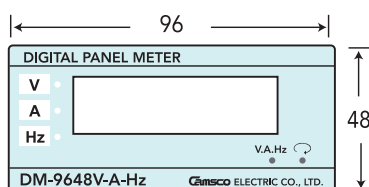
| DISPLAY             | 4 DIGITS LED MAX.9999                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OPERATING CONDITION | -10°C ~50°C (20% to 90% RH non- condensed)                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DIELECTRIC STRENGTH | AC 2KV / 1min                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ITEM NO.            | PICTURE                                                                                        | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DM-96COS $\phi$     | <br>96X96mm   | <ul style="list-style-type: none"> <li>• Function:Power factor meter</li> <li>• 0.56 inch LED display</li> <li>• System:3 phase 3wires (balanced line)</li> <li>• Input voltage :AC 50V-600V</li> <li>• Input current:AC 5A</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DM-9648COS $\phi$   | <br>96X48mm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DM-80COS $\phi$     | <br>80X80mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DM-72COS $\phi$     | <br>72X72mm |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DM-96V-A            | <br>96X96mm | <ul style="list-style-type: none"> <li>• Function: Voltmeter+Ammeter</li> <li>• Display V-A simultaneously.</li> <li>• 0.56 inch LED display (2 windows)</li> <li>• Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key"  " to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |



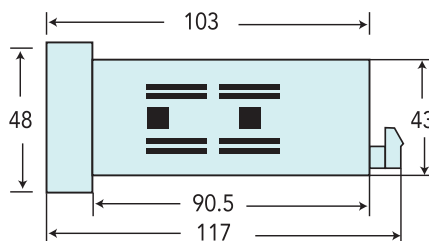
| DISPLAY             | 4 DIGITS LED MAX.9999                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| OPERATING CONDITION | $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (20% to 90% RH non- condensed) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DIELECTRIC STRENGTH | AC 2KV / 1min                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ITEM NO.            | PICTURE                                                                      | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DM-96-3V            | <p>96X96mm</p>                                                               | <ul style="list-style-type: none"> <li>Function: Voltmeter (system: 3 phase 4 wires)</li> <li>Display 3 phase voltage (L-L or L-N) simultaneously.</li> <li>Press key "↻" to select voltage L-L or L-N.</li> <li>0.56 inch LED display (3 windows)</li> <li>Measurement range: AC 50V-600V</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DM-96V-V-V          | <p>96X96mm</p>                                                               | <ul style="list-style-type: none"> <li>Function: Voltmeter (system: 3 phase 3 wires)</li> <li>Display 3 phase voltage simultaneously.</li> <li>0.56 inch LED display (3 windows)</li> <li>Measurement range: AC 50V-600V</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DM-96A-A-A          | <p>96X96mm</p>                                                               | <ul style="list-style-type: none"> <li>Function: Ammeter (system: 3 phase 3 &amp; 4 wires)</li> <li>Display 3 phase current simultaneously.</li> <li>0.56 inch LED display (3 windows)</li> <li>Measurement range: <ul style="list-style-type: none"> <li>*Direct measurement current: AC 5A</li> <li>*For current above 5A, current transformer (C.T.) must be used.</li> <li>*Press key "↻" to select desirable C.T. ratio.</li> <li>*The following are the available C.T. ratios: 10A/5A, 15A/5A, 20A/5A, 25A/5A, 30A/5A, 40A/5A, 50A/5A, 60A/5A, 70A/5A, 75A/5A, 80A/5A, 100A/5A, 120A/5A, 150A/5A, 160A/5A, 200A/5A, 250A/5A, 300A/5A, 400A/5A, 500A/5A, 600A/5A, 700A/5A, 750A/5A, 800A/5A, 1000A/5A, 1200A/5A, 1500A/5A, 1600A/5A, 2000A/5A, 2500A/5A, 3000A/5A, 4000A/5A, 5000A/5A, 6000A/5A, 7000A/5A, 7500A/5A, 8000A/5A.</li> </ul> </li> </ul> |

## DIMENSIONS:

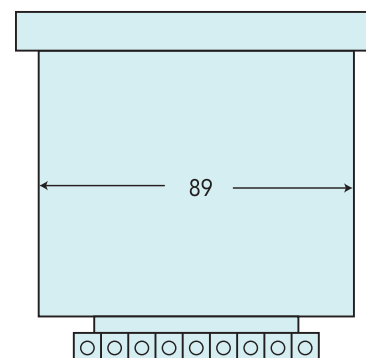
### DM-9648 SERIES



Front view



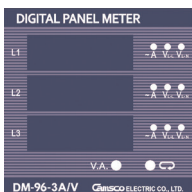
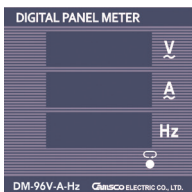
Side view



Vertical view

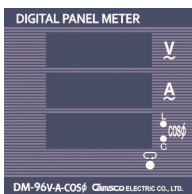
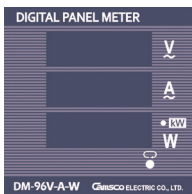
unit : mm



| DISPLAY             |                                                                                                    | 4 DIGITS LED MAX.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            |                                                                                                    | $\pm 0.5\% \pm 2$ DIGIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| OPERATING CONDITION |                                                                                                    | -10°C ~50°C (20% to 90% RH non- condensed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| DIELECTRIC STRENGTH |                                                                                                    | AC 2KV / 1min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| AUX. POWER          |                                                                                                    | AC 110V / 220V 50 / 60 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ITEM NO.            | PICTURE                                                                                            | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DM-96-3A/V          |  <p>96X96mm</p>  | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter (System: 3 phase 4 wires)<br/>Press key "V.A." to select 3 phase voltag(L-L or L-N) simultaneously display or 3 phase current simultaneously display .</li> <li>0.56 inch LED display(3 windows)</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↻" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |
| DM-96V-A-HZ         |  <p>96X96mm</p> | <ul style="list-style-type: none"> <li>Function:Voltmeter+Ammeter+Frequencymeter</li> <li>Display V-A-HZ simultaneously.</li> <li>0.56 inch LED display(3 windows)</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↻" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>Frequencymeter :1-99.99HZ</li> </ul>                                                                    |





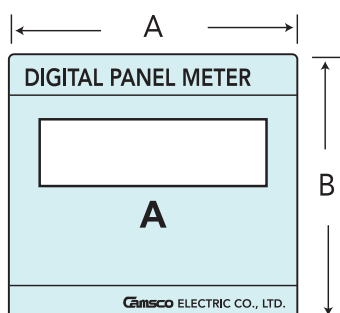
| DISPLAY             |                                                                                                    | 4 DIGITS LED MAX.9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            |                                                                                                    | $\pm 0.5\% \pm 2$ DIGIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OPERATING CONDITION |                                                                                                    | -10°C ~50°C (20% to 90% RH non- condensed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| DIELECTRIC STRENGTH |                                                                                                    | AC 2KV / 1min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AUX. POWER          |                                                                                                    | AC 110V / 220V 50 / 60 HZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ITEM NO.            | PICTURE                                                                                            | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DM-96V-A-COS $\phi$ |  <p>96X96mm</p>  | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Power factor meter</li> <li>Display V-A-COS<math>\phi</math> simultaneously.</li> <li>0.56 inch LED display(3 windows)</li> <li>Measurement range:<br/>           Voltmeter :AC 50V-600V<br/>           Ammeter :<br/>           *Direct measurement current:AC 5A<br/>           *For current above 5A,current transformer(C.T.)must be used.<br/>           *Press key "  " to select desirable C.T. ratio.<br/>           *The following are the available C.T. ratios:<br/>           10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>           Power factor meter:Single phase         </li> </ul> |
| DM-96V-A-W          |  <p>96X96mm</p> | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Wattmeter</li> <li>Display V-A-W simultaneously.</li> <li>0.56 inch LED display(3 windows)</li> <li>Measurement range:<br/>           Voltmeter :AC 50V-600V<br/>           Ammeter :<br/>           *Direct measurement current:AC 5A<br/>           *For current above 5A,current transformer(C.T.)must be used.<br/>           *Press key "  " to select desirable C.T. ratio.<br/>           *The following are the available C.T. ratios:<br/>           10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>           Wattmeter:Single phase Max.9999KW         </li> </ul>                           |



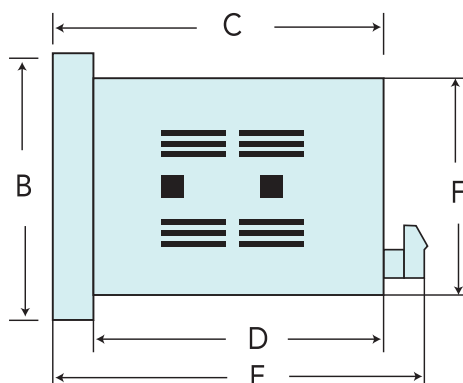
|                     |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DISPLAY             | 4 DIGITS LED MAX.9999                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OPERATING CONDITION | $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (20% to 90% RH non- condensed) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DIELECTRIC STRENGTH | AC 2KV / 1min                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ITEM NO.            | PICTURE                                                                      | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DM-96-4M            | <p>96X96mm</p>                                                               | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter (System: 3 phase 4 wires)</li> <li>Display 3 phase current and 1 phase voltage simultaneously.<br/>Press key "V-1-2-3" to select V1 or V2 or V3 display.<br/>Press key "L-L · L-N" to select voltage L-L or L-N.</li> <li>0.39 inch LED display(4 windows)</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key "↻" to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.</li> </ul> |

## DIMENSIONS:

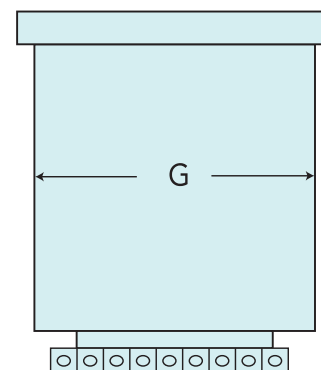
| ITEM NO.     | SIZE | A  | B    | C  | D  | E    | F    | G |
|--------------|------|----|------|----|----|------|------|---|
| DM-80 SERIES | 80   | 80 | 80.5 | 68 | 94 | 75   | 75.5 |   |
| DM-72 SERIES | 72   | 72 | 80.5 | 68 | 94 | 65.5 | 66   |   |



Front view



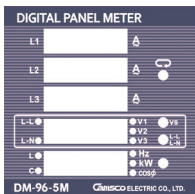
Side view



Vertical view

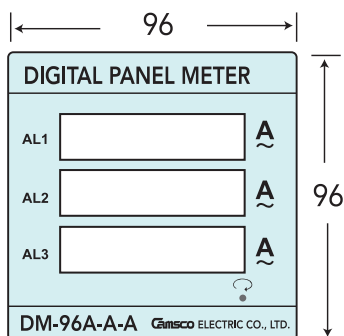
unit : mm



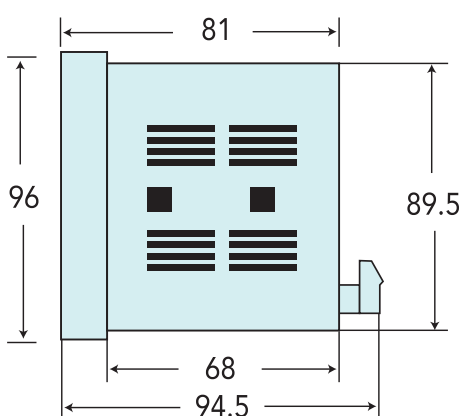
| DISPLAY             | 4 DIGITS LED MAX.9999                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCURACY            | $\pm 0.5\% \pm 2$ DIGIT                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OPERATING CONDITION | $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (20% to 90% RH non- condensed)                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DIELECTRIC STRENGTH | AC 2KV / 1min                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AUX. POWER          | AC 110V / 220V 50 / 60 HZ                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ITEM NO.            | PICTURE                                                                                           | FUNCTION & DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DM-96-5M            |  <p>96X96mm</p> | <ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Wattmeter+Power factor meter +Frequencymeter</li> <li>System:3 phase 4 wires</li> <li>Display 3 phase current and 1 phase voltage and HZ or KW or COS<math>\phi</math> simultaneously.<br/>Press key "VS" to select V1 or V2 or V3 display.<br/>Press key " <math>\frac{L-L}{L-N}</math> " to select voltage L-L or L-N.<br/>Press key "HZ-KW-COS<math>\phi</math> " to select HZ or KW or COS<math>\phi</math> display.<br/>0.39 inch LED display(5 windows)</li> <li>Measurement range:<br/>Voltmeter :AC 50V-600V<br/>Ammeter :<br/>*Direct measurement current:AC 5A<br/>*For current above 5A,current transformer(C.T.)must be used.<br/>*Press key " <math>\curvearrowright</math> " to select desirable C.T. ratio.<br/>*The following are the available C.T. ratios:<br/>10A/5A,15A/5A,20A/5A,25A/5A,30A/5A,40A/5A,50A/5A,60A/5A,70A/5A,75A/5A,80A/5A,100A/5A,120A/5A,150A/5A,160A/5A,200A/5A,250A/5A,300A/5A,400A/5A,500A/5A,600A/5A,700A/5A,750A/5A,800A/5A,1000A/5A,1200A/5A,1500A/5A,1600A/5A,2000A/5A,2500A/5A,3000A/5A,4000A/5A,5000A/5A,6000A/5A,7000A/5A,7500A/5A,8000A/5A.<br/>Frequencymeter :1-99.99HZ<br/>Wattmeter:3 phase(unbalanced line)) Max.9999KW<br/>Power factor meter:3 phase(balanced line)</li> </ul> |

## DIMENSIONS:

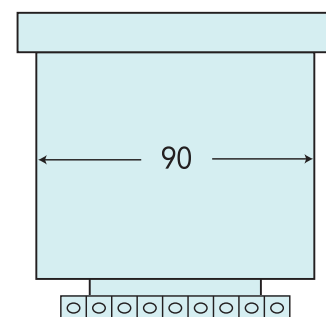
### DM-96 SERIES



Front view



Side view



Vertical view

unit : mm



