

# DIGITAL PANEL METER



## DIGITAL PANEL METER



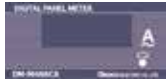






DM-96 SERIES

DM-9648 SERIES









DM-80 SERIES

DM-72 SERIES











DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 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	 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: 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	 96X48mm	
DM-80ACA	 80X80mm	
DM-72ACA	 72X72mm	
DM-96ACV	 96X96mm	
DM-9648ACV	 96X48mm	
DM-80ACV	 80X80mm	
DM-72ACV	 72X72mm	











DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 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	 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	 96X48mm	
DM-80HZ	 80X80mm	
DM-72HZ	 72X72mm	
DM-96V-A-1	 96X96mm	
DM-9648V-A	 96X48mm	
DM-80V-A	 80X80mm	
DM-72V-A	 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	 96X96mm	<ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Frequencymeter Press "V.A.HZ" key to select V or A or HZ display.</li> <li>0.56 inch LED display</li> <li>Measurement range: Voltmeter :AC 50V-600V Ammeter : *Direct measurement current:AC 5A *For current above 5A,current transformer(C.T.)must be used. *Press key "↻" to select desirable C.T. ratio. *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. Frequencymeter :1-99.99HZ</li> </ul>
DM-9648V-A-HZ	 96X48mm	
DM-80V-A-HZ	 80X80mm	
DM-72V-A-HZ	 72X72mm	
DM-96V-A-COSφ-1	 96X96mm	<ul style="list-style-type: none"> <li>Function: Voltmeter+Ammeter+Power factor meter Press "V.A.COSφ" key to select V or A or COSφ display.</li> <li>0.56 inch LED display</li> <li>Measurement range: Voltmeter :AC 50V-600V Ammeter : *Direct measurement current:AC 5A *For current above 5A,current transformer(C.T.)must be used. *Press key "↻" to select desirable C.T. ratio. *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. Power factor meter:Single phase</li> </ul>
DM-9648V-A-COSφ	 96X48mm	
DM-80V-A-COSφ	 80X80mm	
DM-72V-A-COSφ	 72X72mm	

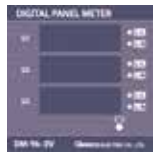

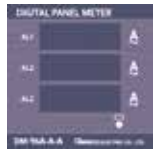


DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		$\pm 0.5\% \pm 2$ DIGIT
OPERATING CONDITION		-10°C ~50°C (20% to 90% RH non- condensed)
DIELECTRIC STRENGTH		AC 2KV / 1min
AUX. POWER		AC 110V / 220V 50 / 60 HZ
ITEM NO.	PICTURE	FUNCTION & DESCRIPTION
DM-96V-A-W-1	 96X96mm	<ul style="list-style-type: none"> <li>Function: 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:            Voltmeter :AC 50V-600V            Ammeter :            *Direct measurement current:AC 5A            *For current above 5A,current transformer(C.T.)must be used.            *Press key "↻" to select desirable C.T. ratio.            *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.            Wattmeter:Single phase Max.9999KW</li> </ul>
DM-9648V-A-W	 96X48mm	
DM-80V-A-W	 80X80mm	
DM-72V-A-W	 72X72mm	
DM-96W	 96X96mm	
DM-9648W	 96X48mm	
DM-80W	 80X80mm	
DM-72W	 72X72mm	



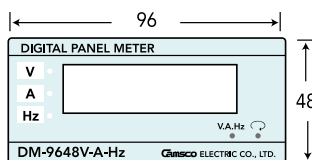
DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 2 DIGIT
OPERATING CONDITION		-10°C ~50°C (20% to 90% RH non- condensed)
DIELECTRIC STRENGTH		AC 2KV / 1min
AUX. POWER		AC 110V / 220V 50 / 60 HZ
ITEM NO.	PICTURE	FUNCTION & DESCRIPTION
DM-96COSφ	<p>96X96mm</p>	<ul style="list-style-type: none"> <li>• 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-9648COSφ	<p>96X48mm</p>	
DM-80COSφ	<p>80X80mm</p>	
DM-72COSφ	<p>72X72mm</p>	
DM-96V-A	<p>96X96mm</p>	<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:            Voltmeter :AC 50V-600V            Ammeter :            *Direct measurement current:AC 5A            *For current above 5A,current transformer(C.T.)must be used.            *Press key" ↻ " to select desirable C.T. ratio.            *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>



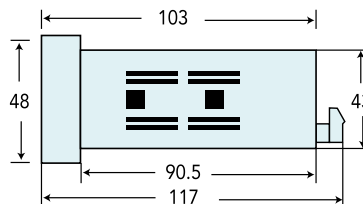
DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 2 DIGIT
OPERATING CONDITION		-10°C ~50°C (20% to 90% RH non- condensed)
DIELECTRIC STRENGTH		AC 2KV / 1min
AUX. POWER		AC 110V / 220V 50 / 60 HZ
ITEM NO.	PICTURE	FUNCTION & DESCRIPTION
DM-96-3V	 96X96mm	<ul style="list-style-type: none"> <li>Function: 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	 96X96mm	<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	 96X96mm	<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:                 <ul style="list-style-type: none"> <li>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> </li> </ul>

## DIMENSIONS:

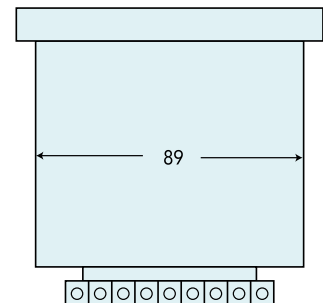
### DM-9648 SERIES



Front view



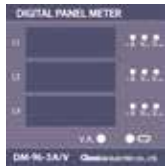

Side view



Vertical view



unit : mm




DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 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 style="text-align: right; font-size: small;">96X96mm</p>	<ul style="list-style-type: none"> <li>• Function: Voltmeter+Ammeter (System: 3 phase 4 wires) 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: Voltmeter :AC 50V-600V Ammeter : *Direct measurement current:AC 5A *For current above 5A,current transformer(C.T.)must be used. *Press key "↻" to select desirable C.T. ratio. *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>
DM-96V-A-HZ	 <p style="text-align: right; font-size: small;">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: Voltmeter :AC 50V-600V Ammeter : *Direct measurement current:AC 5A *For current above 5A,current transformer(C.T.)must be used. *Press key "↻" to select desirable C.T. ratio. *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. Frequencymeter :1-99.99HZ</li> </ul>





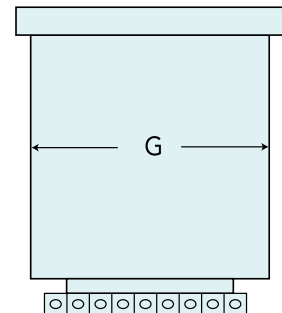
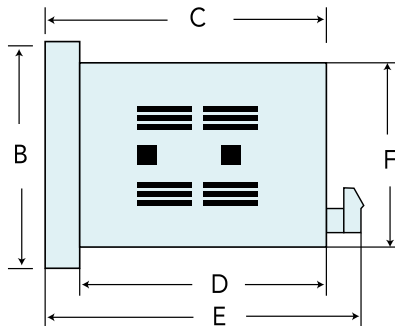
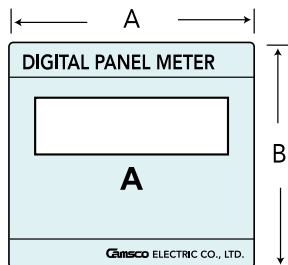
DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		$\pm 0.5\% \pm 2$ DIGIT
OPERATING CONDITION		-10°C ~50°C (20% to 90% RH non- condensed)
DIELECTRIC STRENGTH		AC 2KV / 1min
AUX. POWER		AC 110V / 220V 50 / 60 HZ
ITEM NO.	PICTURE	FUNCTION & DESCRIPTION
DM-96V-A-COS $\phi$	 <p style="text-align: right; font-size: small;">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:            Voltmeter :AC 50V-600V            Ammeter :            *Direct measurement current:AC 5A            *For current above 5A,current transformer(C.T.)must be used.            *Press key "↻" to select desirable C.T. ratio.            *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.            Power factor meter:Single phase</li> </ul>
DM-96V-A-W	 <p style="text-align: right; font-size: small;">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:            Voltmeter :AC 50V-600V            Ammeter :            *Direct measurement current:AC 5A            *For current above 5A,current transformer(C.T.)must be used.            *Press key "↻" to select desirable C.T. ratio.            *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.            Wattmeter:Single phase Max.9999KW</li> </ul>



DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 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-96-4M	 <p style="text-align: right;">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. Press key "V-1-2-3" to select V1 or V2 or V3 display. 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: Voltmeter :AC 50V-600V Ammeter : *Direct measurement current:AC 5A *For current above 5A,current transformer(C.T.)must be used. *Press key "↻" to select desirable C.T. ratio. *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>

## 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



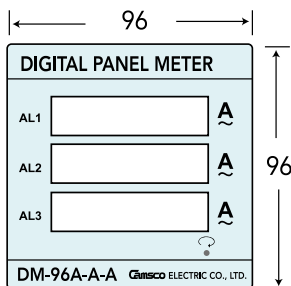
unit : mm



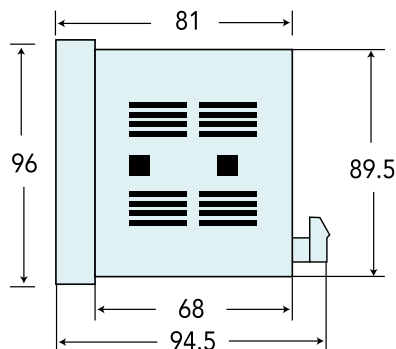
DISPLAY		4 DIGITS LED MAX.9999
ACCURACY		± 0.5% ± 2 DIGIT
OPERATING CONDITION		-10°C ~50°C (20% to 90% RH non- condensed)
DIELECTRIC STRENGTH		AC 2KV / 1min
AUX. POWER		AC 110V / 220V 50 / 60 HZ
ITEM NO.	PICTURE	FUNCTION & DESCRIPTION
DM-96-5M	<p style="text-align: right;">96X96mm</p>	<ul style="list-style-type: 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 COSφ simultaneously. Press key "VS" to select V1 or V2 or V3 display. Press key "<math>\frac{L-L}{L-N}</math>" to select voltage L-L or L-N. Press key "HZ-KW-COSφ" to select HZ or KW or COSφ display. 0.39 inch LED display(5 windows)</li> <li>Measurement range:                      Voltmeter :AC 50V-600V                      Ammeter :                      *Direct measurement current:AC 5A                      *For current above 5A,current transformer(C.T.)must be used.                      *Press key "↻" to select desirable C.T. ratio.                      *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.                      Frequencymeter :1-99.99HZ                      Wattmeter:3 phase(unbalanced line)) Max.9999KW                      Power factor meter:3 phase(balanced line)                 </li> </ul>

## DIMENSIONS:

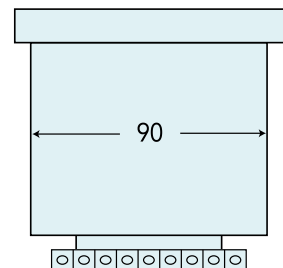
### DM-96 SERIES



Front view



Side view



Vertical view

unit : mm