



Single Phase Digital Panel Meter

Instrument
Division

True RMS Ammeter & Voltmeter 96 X 96 mm sizes.

Data sheet No. : AE-1 Ph-DPM /10/11



Brief Information:

"Highly Adaptable DPMs suitable for a wide range of measuring applications". The measurable input current/voltage is user programmable. Aux. Supply is galvanically isolated from Measuring circuit.

Measuring range is from 0.5 % to 120 % of the full scale indication. CT Ratio / PT Ratio are fully programmable through front Two switches provided on the Front side. User can enjoy the freedom to set primary value as well secondary values suitable for his application.(for Voltmeter (KVAC) Primary - upto 99 kV & for Ammeter Primary - upto 6999A)

Auxilliary Power Supply:

AC – 220V AC, 50HZ, L-N (Range 180-270V).
AC – 110V AC, 50HZ, L-N (Range 85-130V).
Universal – 85.....265 V AC / DC.

Features:

True RMS measurement.
State of Art Microcontroller Based Design.
3PH. AC Current and Voltage ranges.
Onsite Programmable CT/PT ratio.
4 digit ultra bright LED Display.

Application:

The digital panel meters AE DPM 96 have been designed for Industrial applications, i.e. electrical Panels required for Generation, Distribution & Commercial purpose.

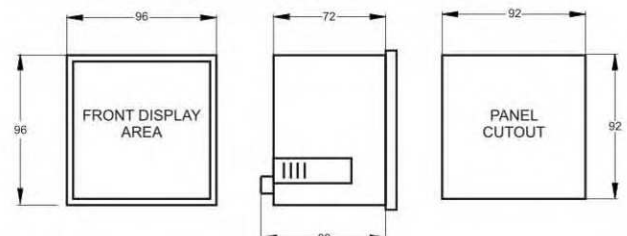
Ordering information

- 1) Meter type : Ammeter / Voltmeter
- 2) Measuring range
- 3) Auxilliary Supply
- 4) Display size (0.5"/0.8")

Specifications :

Parameters	Type	
	Voltmeter (VAC)	Ammeter (AAC)
Display Range	9999	
Display	4-Digit ultra Bright LED display (0.5"/0.8" 7 segment LED Display)	
Overload indication	"OL" indication on display (Ammeter only)	
Accuracy	±1% F.S. Indication (± 2 Digits)	
Computation	True RMS	
Temperature coefficient	100 ppm/°C	
Frequency	45HZ to 55 HZ	
CT/PT Primary	Programmable Through Front switches.	
CT/PT Secondary	Selectable Through Front Switch.	
Range adjustment span	From 0.5% to 100% of range.	
Overload	120% of nominal value.	
Auxilliary supply	110 V AC / 220 V AC / Universal (85...265)	
Input range	0-600(0.5 to 120%)	1/5 Amp: (0.5 % -120%)
Input impedance for voltage		
Burden	≤ 2 VA MAX on Aux. supply	
Insulation Resistance	500 DC .	
Dielectric Strength	2KV RMS for one minute.	
Operating temperature	0 to +60 °C	
Storage temperature	-20 to +70 °C	
Humidity	≤ 95% RH Non-condensing	
Front protection rating	IP 52	
Case protection rating	IP 30	
Material	ABS	
Mounting	Flush Mounting with side clamps	
Dimension	96 X 96 X 80 mm	
Weight	340 gm	

Meter Dimensions & Installation cut out



Connection Diagram

