



DC Voltage Current Digital Panel Meter

Instrument
Division

mADC Meter / mVDC Meter & DC Volt Meter
96 x 96 mm size

Brief Information :

"Highly Adaptable DPMs with low panel depth most suitable for Panel industries to reduce inside panel space. Aux. Supply is galvanically isolated from measuring circuit. Cover wide measuring range. Display Start / Display End are fully on site programmable through front two switches provided on Front side. User can enjoy the freedom to set Display High Value as well Display Low values suitable for their application.

Auxiliary Power Supply :

Universal - 85... 285 V AC / DC

Features :

Low back panel depth.
State Of Art Micro controller Based Design.
4 Digit Ultra Bright LED Display.
Auto Decimal scrolling.
Onsite Programmable Display Start/
Display End Value.

Application :

The Digital panel meters type uM 99 have been designed for Industrial applications, i.e. electrical Panels required for Generation, Distribution & Commercial purpose.

Ordering Information :

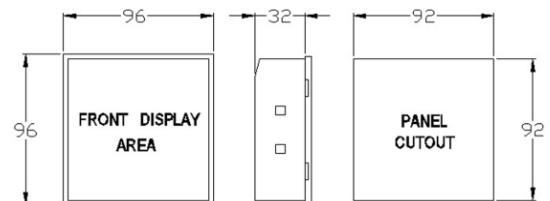
- 1) Meter Type : mADC/mVDC/VDC
- 2) Size: 96*96 / 48*96 / 72*144

Specifications :

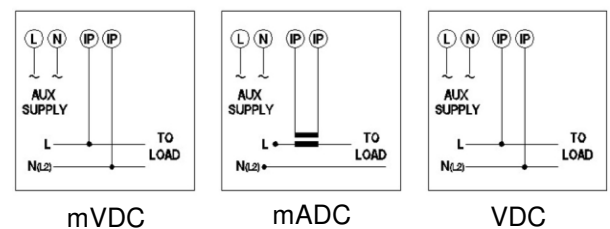
Parameters	Measurand	
	mADC / mVDC / VDC	
Display	4-Digit ultra Bright LED display (RED, 0.5"- 7 segment LED Display)	
Overload indication	"OL" indication on display.	
Accuracy class	0.5%, 1.0% of F.S. Indication (± 2 Digits)	
Temperature coefficient	100 ppm/ $^{\circ}$ C	
Display Start	Programmable Through Front Switches	
Display End	Programmable Through Front Switches	
Range adjustment span	From 1% to 100% of range.	
Input range	Voltage	Current
	$\pm 100 / \pm 75 / \pm 60 / \pm 50$ mVDC & $\pm 10 / \pm 5 / \pm 1$ VDC	4-12-20/ $\pm 20 / \pm 10 / \pm 5$ mADC
Overload	120% of nominal value	
Auxiliary supply	Universal (85...285) AC/DC / 19-90 VDC	
Burden	= 2 VA Max on Aux. supply	
Insulation Resistance	> 20M Ω @ 500 DC.	
Dielectric Strength	2 KV RMS for one minute.	
Operating temperature	0 to +60 $^{\circ}$ C	
Storage temperature	-20 to +70 $^{\circ}$ C	
Humidity	<95% RH Non-condensing	
Front protection rating	IP52	
Case protection rating	IP30	
Material	ABS	
Mounting	Flush Mounting with side clamps	
Dimension	96 X 96 mm	
Back panel depth	32 mm	
Cut out	92 X 92 mm (-0.1)	
Weight	156gm.	
Compliance	IS 13875 -1993 (Part 1 & 2).	



Meter Dimensions & Installation cutout



Connection Diagram



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Note: Product innovation is a part of continuous development hence specification are subject to change without notice.