



Application:

The digital panel meter DPM 96 A/V DC has been designed for industrial applications, which frequently require precise, onsite adjustment of the display range.

It can be used in industrial automation and for laboratory uses.

Features:

- Available in size 96 mm x 96 mm
- DC current ranges and DC voltage ranges
- 3 ½ digit ultra bright display
- User defined caption
- Auxillary Power Supply:
 - AC - 230 V (+10% / -15%)
 - AC - 110 V (+10% / -15%)
 - DC - 24 V (21.....30 V)
- Highly adaptable DPM's suitable for a wide range of measuring applications.
- Versions available for DC current (mA) and DC voltage (mV & Volts) inputs.
- The chosen input range is user adjustable, from 10% to 100% of the full-scale value for DC current, DC mV & DC voltage for simple adaptation of the digital readout to the input value.

Specifications:

Display	
Display range	1999
Decimal point position	Selectable by short links at the front side of the display
Negative display indication	"----"
Digit height	14 mm / 7 – segment digits (optional : 20 mm)
Overload indication	Last 3 digits blank

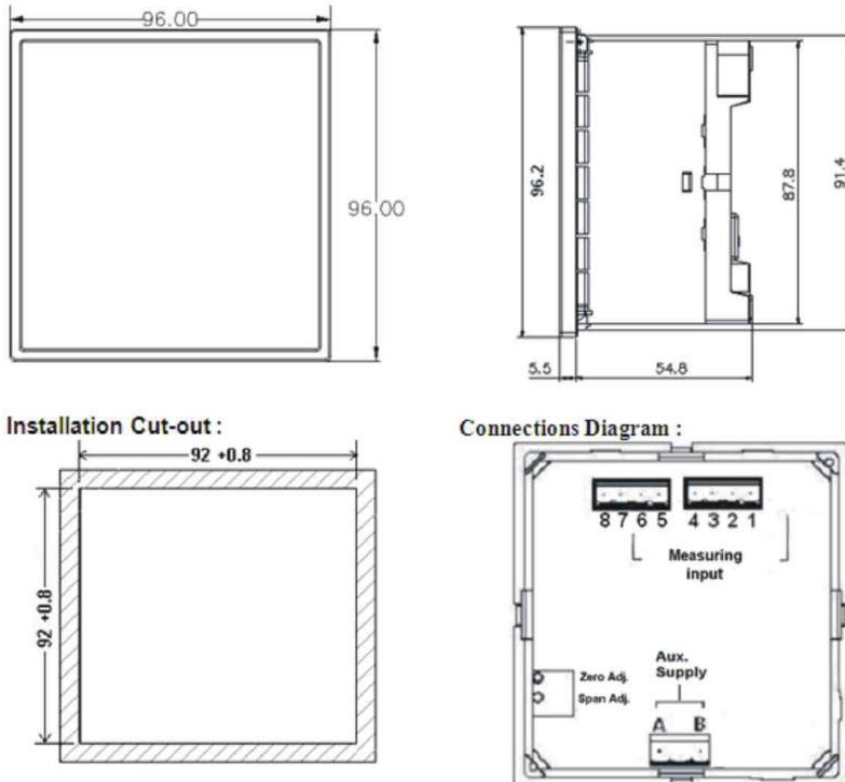
Measuring Ranges	
Model	DPM 96A DC
DC current ranges available (voltage drop < 600 mV)	0....20 mA 4....20 mA (Range selection by input choice)
Model	DPM 96V DC
DC mV Ranges Available (input current < 300µA)	0....75 mV 0....150 mV (Range selection by input choice)
DC Voltage Ranges Available	0...2V or 0....20V or 0....200V or 0....500V or 0...1000V or please specify a non-standard input voltage range, available on request.

Accuracy		
Model 96 A DC	Measuring Accuracy Current (Voltage drop , 600 mV)	<0.1% of range + 1 digit
	Temperature Coefficient	300 ppm/°C
	Zero Point Drift	200 ppm/°C
	Range Adjustment Span	From 10% to 100% of range
Model 96V DC		
1) mV Ranges	Measuring Accuracy milli volts (Input Current , 300µA)	<0.1% of range + 1 digit
	Temperature Coefficient	300 ppm/°C
	Zero Point Drift	200 ppm/°C
	Range Adjustment Span	From 10% to 100% of range
2) Volt Ranges	Measuring Accuracy Volts (Input Current < 300µA)	<0.2% of range + 1 digit
	Temperature Coefficient	300 ppm/°C
	Zero Point Drift	200 ppm/°C
	Range Adjustment Span	From 10% to 100% of range
Power Supply	3 ranges for power supply are available	
	Direct voltage DC	24 V DC (21....30V) 5.5W Approx. (isolated)
	Alternating voltage AC	110 V AC (+10%/-15%) 5.5W Approx. (isolated) 230 V AC (+10%/-15%) 5.5W Approx. (isolated)
	Frequency	47....60 Hz
Ambient Conditions	Operating Temperature	0....55°C
	Storage Temperature	-25....70°C
Dimensions and Weights	Bezel size	96 mm x 96 mm DIN 43 700
	Panel cut-out	92 + 0.8 mm x 92 + 0.8 mm
	Overall depth	55 mm
	Weight	500 gm. Approx.
Sundry	Connections	Plug-in screw terminal blocks

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Design and Installation:

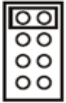

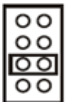



Connections:

Model 96A DC		
Current DC	0....20 mA	Terminals 1 and 2 with terminals 5 and 6 open
	4....20 mA	Terminals 1 and 3 plus jumper between terminals 5 and 6
Model 96V DC – milli volts		
milli volts DC	0....60 mA	Terminals 1 and 2
	0....150 mA	Terminals 1 and 3
Model 96V DC – volts		
Volts DC	0....2V	Terminals 1 and 3
	0....20V	
	0....200V	
	0....500V	
	0....1000V	

Decimal Point Adjustment:

Decimal point position is selectable by short links at the front side of the display.

Short Link Position	Decimal point position on Display
	XXXX
	X.XXX
	XX.XX
	XXX.X

Order Details:

	Example 1	Example 2
Type	DPM 96 A DC	DPM 96 V DC
Measuring Input	0....20 mA	0....1000 V
Display Full-Scale	0....1999	0....1000
Display Caption	mA	V
Aux. Supply	110 V AC, 50 Hz	230V AC, 50 Hz