

Digital Panel Meter

DPM 24/96 - 2000 D

The **DPM 24/96-2000 D** are devices for connection of voltage (10 V) and current (1 mA, 20 mA or 4 ... 20 mA).

Service:

The 4 measuring ranges and display range by means adjusted of jumpers at the rear of the instrument. Behind the front cover are potentiometers for full scale value, the chosen input range is user adjustable from 10 % to 100 %, and brightness (option) adjustable.

Further **DPM 24/96-2000** versions from the range:

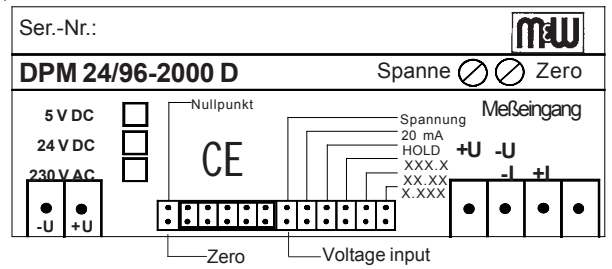
DPM 24/96-2000 F	Digital panel meter for voltage measurement, 4 ranges.
DPM 24/96-2000 M	Digital panel meter for voltage or current measurement, 1 range.
DPM 24/96-2000 S	Digital panel meter for voltage and current measurement, 9 ranges.
DPM 24/96-2000 SN	Digital panel meter for direct voltage and direct current, 10 respectively 8 ranges.

Technical data

Display	Display range	1999	
	Decimal point position	selectable	
	Negative display indication	"-"	
	Digit height	14 mm / 7segment digits	
	Overload indication	last 3 digits blank	
Measuring range	Direct voltage	0 ... 10 V (Input current < 300 µA)	
	Direct current	0 ... 1 mA; 0 ... 20 mA; 4 ... 20 mA	
	Range adjustment span	1 : 10	
	Accuracy	< 0,2 % + 1 digit	
	Temperature coefficient	100 ppm / °C plus 100 ppm / °C zero point drift	
Power supply	Direct voltage (DC)	5 V ±5 %	0,6 W
		21 ... 30 V	0,9 W
	Alternating voltage (AC)	230 V +10 %, -15 % 1,3 W	
Environmental conditions	Clima class	Class 2 to VDE / DIN 3540	
	Operating temperature	0 ... 50 °C	
	Storage temperature	-40 °C ... +80 °C	
	Safety class	II to IEC 348 / VDE 0411	
	Protections class	IP 20 to IEC EN 60 529	
	front	IP 54 (IP 65 on request)	
	Device safety	correspond IEC EN 61 010	
	EMC immunity	correspond DIN EN 61 000-4-1 to 4	
EMC radiated interference	correspond DIN EN 50 081 class B		
Dimensions and weights	Bezel size	96 mm x 24 mm to DIN 43 718	
	Panel cut-out	92 +0,8 mm x 22,2 +0,3 mm	
	Overall depth	72 mm	
	Weight	90 g approx.	
		(210 g with power supply >5 V DC)	
Sundry	Connections	Plug-in screw terminal blocks	
Options	Brightness adjustment		
	HOLD input		

Connections

Rating plate



Measuring input

Voltage input

Current input

Zero

Note

Terminals **+U** and **-U**

Plug into jumper at „Spannung“ (voltage input).

Terminal **+I** to connect with terminal **-I**

Terminal **+I** to connect with terminal **+U**

Jumper „Spannung“ (voltage input) remove !

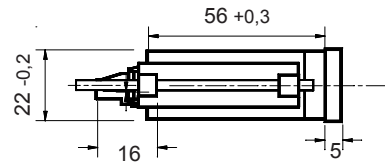
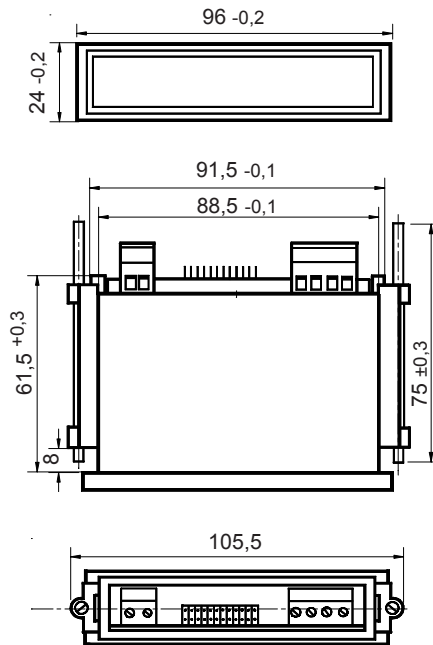
For 0 ... 20 mA range and 4 ... 20 mA range plug into jumper 20 mA.

For 1 mA range jumper 20 mA **non plug into**.

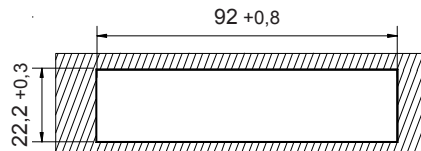
For the zero shift plug into jumper **Nullpunkt (zero)**.

Unused jumper „parking“ only on the free positions marked in black !

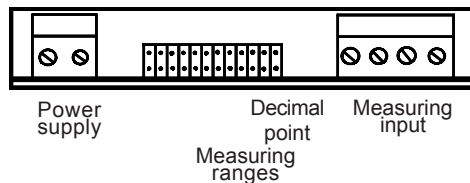
Design and installation



Panel cut out



Connections



We reserve the right to make alterations !

III/98

Item no.: 2786688601/3

File: \EIN\ANL\ÜBERS\dpm24d-e.pm6

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