

# M1 – 4 digit digital panel meter in 96x48 mm (BxH) Standard signals 0/4-20 mA, 0-10 VDC, optional 50 VDC, 100 VDC

- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 25 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min/max-value recording
- 10 adjustable support points
- display flashing at threshold exceedance / undershooting
- navigation keys for the recall of min/max-values or limit value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -40°C...+70°C

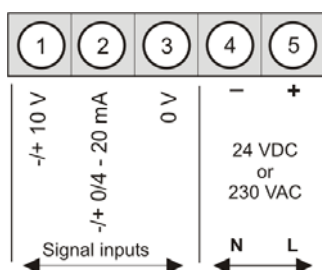


**ORDER NUMBER**  
(without options)

**M1-1VR4B.0001.570DD**

**M1-1VR4B.0001.770DD**

## • Direct current, direct voltage



Supply 230 VAC

Supply 24 VDC

## • Product key options

M	1-	1	V	R	4	B.	0	0	0	1.	5	7	0	D	D
M	1-	1	V	R	4	B.	0	0	0	1.	7	7	0	D	D

S100 to 100 VDC, measuring error 0.5% of final value

S260 to 50 VDC, measuring error 0.5% of final value

1 Without keypad, operation on the back via interface

X Other voltage supplies on demand!

B Blue

G Green

Y Orange

Please state physical unit in order, e.g. m/min.

## • Parameterisation software

PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming happens via an interface on the back.

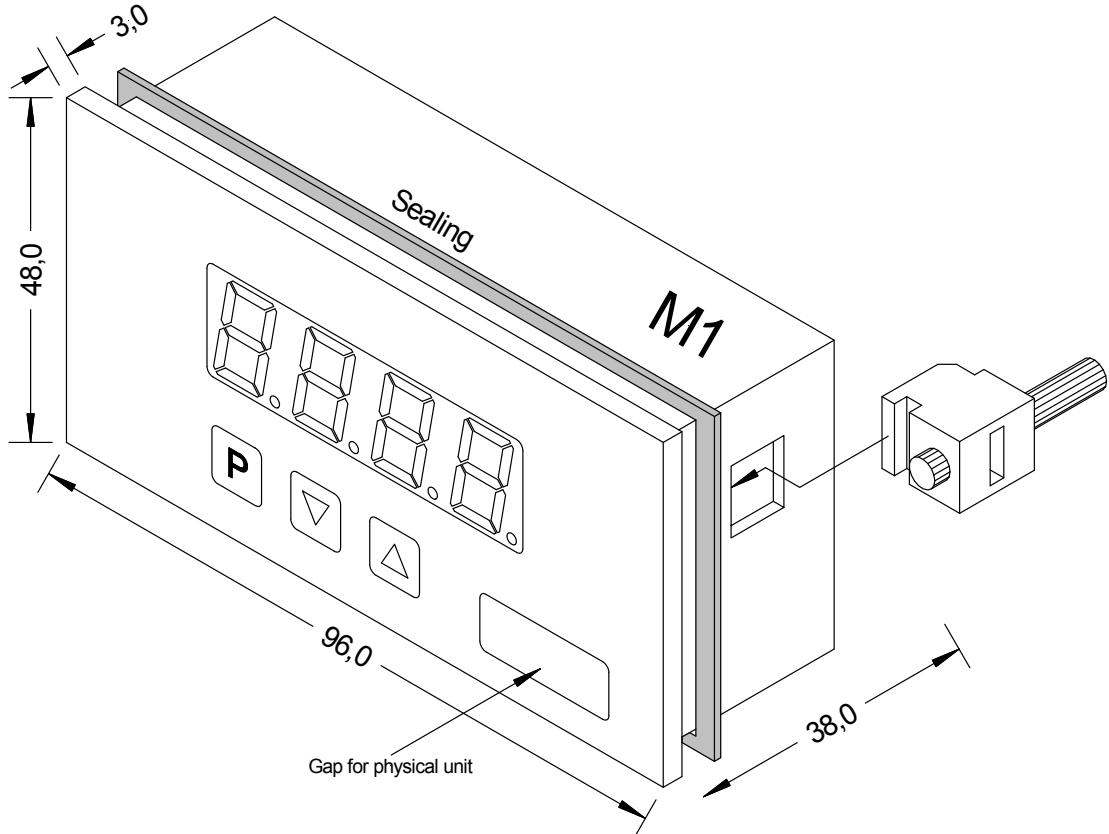
**PM-TOOL-MUSB4**

**00**

• **Technical data**

<b>Dimension</b>	Housing Panel cut-out Fixing Housing material Sealing material Protection class Weight Connection	B96xH48xD25 mm (including plug-in terminal D= 38 mm) 92.0 <sup>+0.8</sup> x 45.0 <sup>+0.6</sup> mm screw elements for insulation thickness up to 3 mm PC Polycarbonate, black EPDM, 65 Shore, black at the front IP65 standard, back side IP00 approx. 100 g plug-in terminal; line cross-section up to 2.5 mm <sup>2</sup>
<b>Display</b>	Display Digit height Segment colour Display range Setpoints Overflow Underflow Display time/ Measuring time	4-digit 14 mm Red (standard), optional available in green, blue and orange -1999 to 9999 optical display flashing horizontal bars at the top horizontal bars at the bottom  0.1 to 10.0 seconds
<b>Measuring input</b>	Span Measuring range Input resistance Measuring fault Temperature drift Measuring time Measuring principle Resolution	-12...12 V / -22...24 mA 0-10 V / 0/4-20 mA Ri at ~200 kΩ / Ri at ~100 Ω 0.1% of measuring range, ± 1 digit / 0.1% of measuring range, ± 1 digit 100 ppm/K 0.1 ... 10.0 seconds U/F-conversion approx. 18 Bit at 1s measuring time
<b>Power pack</b>	Supply	230 VAC ±10% (max. 3 VA) 24 VDC ±10%, galvanic isolated (max. 1 VA)
<b>Memory</b>	EEPROM	Data life ≥ 100 years at 25°C
<b>Ambient conditions</b>	Working temperature Storing temperature Climatic density	0 to +60°C -20 to +80°C relative humidity 0-85% on years average without dew
<b>CE-sign</b>	Conformity to directive 2014/30/EU	
<b>EMV</b>	EN 61326, EN 55011	
<b>Safety standard</b>	According to low voltage directive 2014/35/EU, EN 61010; EN 60664-1	

**Housing:**



• Ordering code

	M	1-	1	V	R	4	B.	0	0	0	1.	7	7	0	D	D	
<b>Basic type M-Line</b>																	<input type="checkbox"/> S100 Messeingang 100 VDC <input type="checkbox"/> S260 Messeingang 50 VDC
<b>Installation depth</b> 38 mm incl. plug-in terminal																	<b>Dimension</b> <input type="checkbox"/> D physical unit (free selectable)
<b>Housing size</b> 96 x 48 x 25 mm (BxHxD)																	<b>Version</b> <input type="checkbox"/> D D
<b>Display type</b> V, A																	<b>Setpoints</b> <input type="checkbox"/> 0 no setpoints
<b>Display colours</b> Blue Green Red Orange																	<b>Protection class</b> <input type="checkbox"/> 1 without keypad, operation via PM-TOOL <input type="checkbox"/> 7 IP65 / plug-in terminal
<b>Number of digits</b> 4-digit																	<b>Supply voltage</b> <input type="checkbox"/> 5 230 VAC <input type="checkbox"/> 7 24 VDC galv. isolated
<b>Digit height</b> 14 mm																	<b>Measuring input</b> <input type="checkbox"/> 1 Direct current, direct voltage
<b>Digital input</b> without																	<b>Analog output</b> <input type="checkbox"/> 0 without
																	<b>Sensor supply</b> <input type="checkbox"/> 0 without