

# M1 – 4-digit digital panel meter in 96x24 mm (BxH) Pt100 2-/3-wire -200°C...850°C / -328°F...1562°F

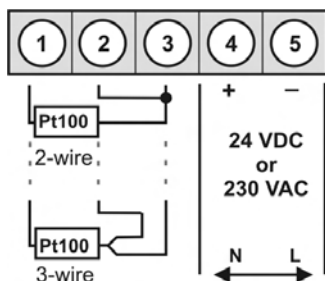
- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 57 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min-/max-value recording
- displayed in °C or °F
- display flashing at threshold exceedance / undershooting
- navigation keys for the recall of min/max values or limit value corrections during operation
- impedance matching
- 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 -25°C...60°C or -40°C...80°C



**ORDER NUMBER**  
(without options)

**EUR**

- **Pt100 2-/3-wire -200°C...850°C / -328°F...1562°F**



Supply 230 VAC

Supply 24 VDC

**M1-3TR4B.030C.570DD**

**M1-3TR4B.030C.770DD**

## • Order key options

M	1-	3	T	R	4	B.	0	3	0	C.	5	7	0	D	D
M	1-	3	T	R	4	B.	0	3	0	C.	7	7	0	D	D

**EUR**

1	without keypad, operation via PM-TOOL
X	Other voltage supplies on demand!
B	Blue
G	Green
Y	Orange

Please state physical unit in order, e.g. °F.

## • Parameterisation software

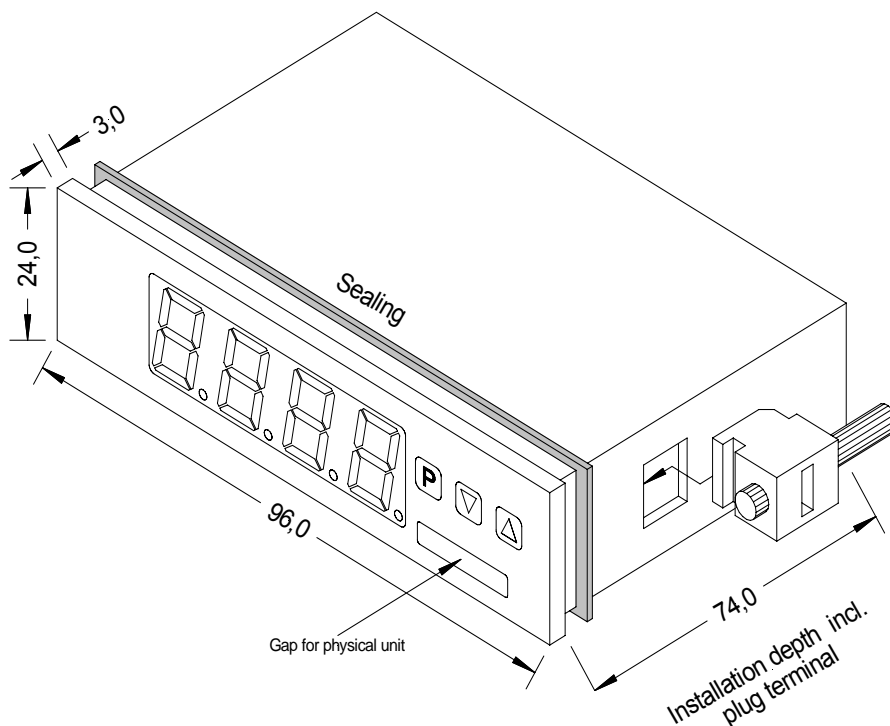
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

**PM-TOOL-MUSB4**

• **Technical data**

<b>Dimension</b>	Housing Panel cut-out Fixing Housing material Sealing material Protection class Weight Connection	B96 x H24 x D57 mm (including plug-in terminal, D= 74 mm) 92.0 <sup>+0.8</sup> x 22.2 <sup>+0.3</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. 50 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 fault Temperature drift Measuring time Measuring principle Resolution	-200°C...850°C / -328°F...1562°F 0.1% of measuring range, ± 1 Digit 100 ppm/K 0.1 ... 10.0 seconds U/F-conversion approx. 0.1°C or 0.1°F
<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 200/108/EG	
<b>EMV</b>	EN 61326, EN 55011	
<b>Safety standard</b>	According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1	

**Housing:**



• Ordering code M1

	M	1-	3	T	R	4	B.	0	3	0	C.	7	7	0	D	D	
<b>Basic type M-Line</b>																	<b>Dimension</b>
																	<input type="checkbox"/> D physical unit (free selectable)
<b>Installation depth</b>																	<b>Version</b>
74 mm incl. plug-in terminal																	<input type="checkbox"/> D D
<b>Housing size</b>																	<b>Switching points</b>
96 x 24 x 57 mm																	<input type="checkbox"/> 0 no switching points
<b>Display type</b>																	<b>Protection class</b>
Temperature																	<input type="checkbox"/> 1 no keypad, operation via PM-TOOL
<b>Display colours</b>																	<input type="checkbox"/> 7 IP65 / plug-in terminal
Blue																	<b>Supply voltage</b>
Green																	<input type="checkbox"/> 5 230 VAC
Red																	<input type="checkbox"/> 7 24 VDC galv. insulated
Orange																	<b>Measuring input</b>
<b>Number of digits</b>																	<input type="checkbox"/> C Pt100
4-digit																	<b>Analog output</b>
<b>Digit height</b>																	<input type="checkbox"/> 0 without
14 mm																	<b>Sensor supply</b>
<b>Interface</b>																	<input type="checkbox"/> 0 without
without																	<b>Pt100 type</b>
																	<input type="checkbox"/> 3 2-/3-wire