

# M1 – 4-digit digital panel meter in 96x48 mm (BxH) Pt100 2-/3- wire -200°C...850°C / -328°F...1562°F

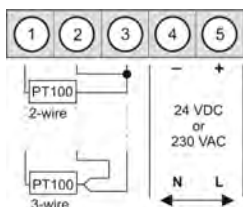
- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 25 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min-/max-value recording
- displayed in °C or °F
- display flashing at threshold exceedance / 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

**M1-1TR4B.030C.570CD**

**M1-1TR4B.030C.770CD**

## • Product key options

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

**EUR**

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. °F.

## • Parameterisation software

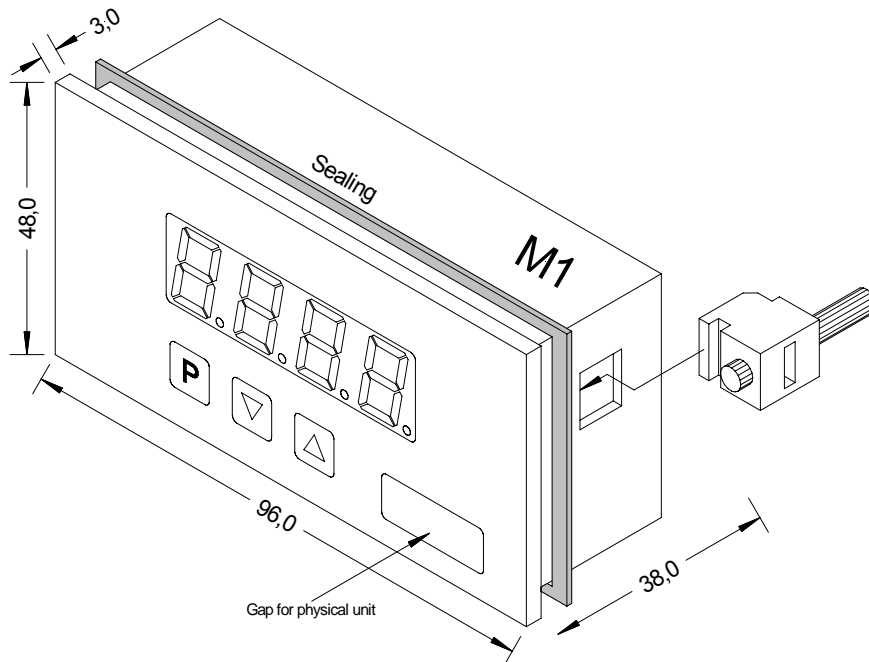
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

**PM-TOOL-MUSB4**

## • Technical data

<b>Dimension</b>	Housing Panel cut-out Fixing Housing material Sealing material Protection class Weight Connection	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 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 insulated (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 2004/108/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

	M	1-	1	T	R	4	B.	0	3	0	C.	7	7	0	C	D	
<b>Basic type M-Line</b>																	<b>Dimension</b>
																	<b>D</b> physical unit (free selectable)
<b>Installation depth</b> 38 mm incl. plug-in terminal			<b>1</b>														<b>Version</b>
																	<b>C</b> C
<b>Housing size</b> 96x48x25 mm (BxHxD)			<b>1</b>														<b>Switching points</b>
																	<b>0</b> no switching points
<b>Display type</b> Temperature				<b>T</b>													<b>Protection class</b>
																	<b>1</b> without keypad, operation on the back
<b>Display colours</b>																	<b>7</b> IP65 / plug-in terminal
Blue				<b>B</b>													<b>Supply voltage</b>
Green				<b>G</b>													<b>5</b> 230 VAC
Red				<b>R</b>													<b>7</b> 24 VDC galv. insulated
Orange				<b>Y</b>													<b>Measuring input</b>
<b>Number of digits</b> 4-digit			<b>4</b>														<b>C</b> Pt100
<b>Digit height</b> 14 mm				<b>B</b>													<b>Analog output</b>
																	<b>0</b> without
<b>Digital input</b> without																	<b>Pt100 type</b>
																	<b>3</b> 2-/3-wire