

M1 – 4-digit digital panel meter in 96x24 mm (BxH) Pt1000 2-wire -200°C...850°C / -328°F...1562°F

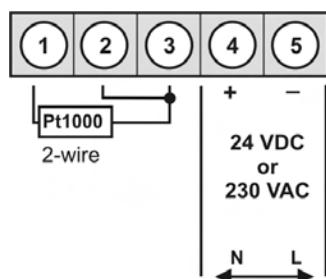


- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 57 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min-/max-value recording
- displayed in °C or °F
- display flashing at threshold exceedance / 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

• Pt1000 2-wire -200°C...850°C/ -328°F...1562°F



Supply 230 VAC

Supply 24 VDC

M1-3TR4B.060C.570DD

M1-3TR4B.060C.770DD

• Order key options

M	1-	3	T	R	4	B.	0	6	0	C.	5	7	0	D	D
M	1-	3	T	R	4	B.	0	6	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

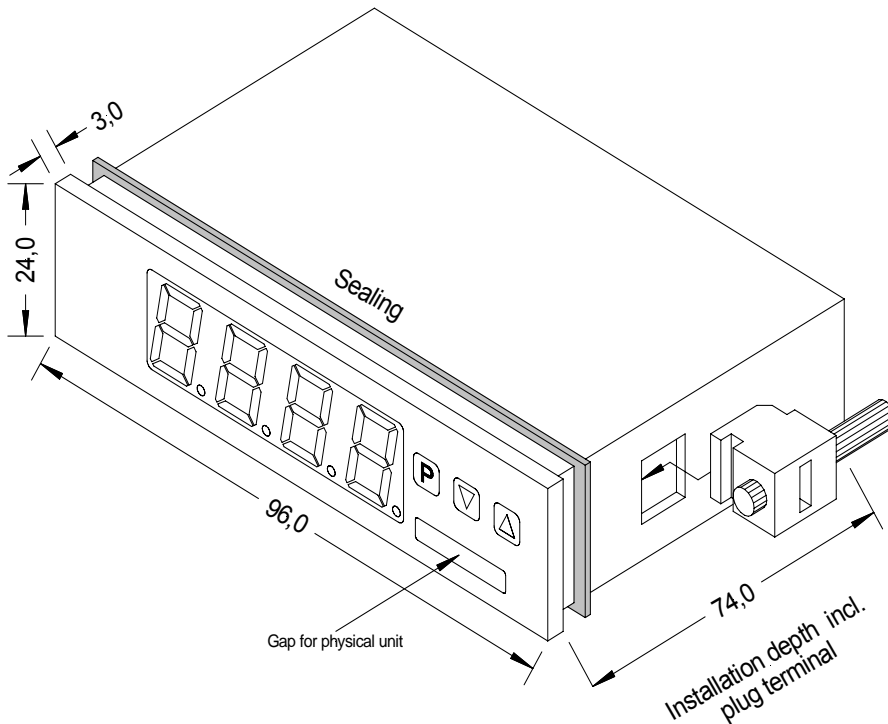
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

PM-TOOL-MUSB4

• **Technical data**

Dimension	Housing	B96 x H24 x D57 mm (including plug-in terminal, D= 74 mm)
	Panel cut-out	92.0 ^{+0.8} x 22.2 ^{+0.3} mm
	Fixing	screw elements for insulation thickness up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	at the front IP65 standard, back side IP00
	Weight	approx. 50 g
	Connection	plug-in terminal; line cross-section up to 2.5 mm ²
Display	Display	4-digit
	Digit height	14 mm
	Segment colour	red (standard), optional available in green, blue and orange
	Display range	-1999 to 9999
	Setpoints	optical display flashing
	Overflow	horizontal bars at the top
	Underflow	horizontal bars at the bottom
	Display time/ Measuring time	0.1 to 10.0 seconds
Measuring input	Span	-200°C...850°C / -328°F...1562°F
	Measuring fault	0.2% of measuring range, ± 1 Digit
	Temperature drift	100 ppm/K
	Measuring principle	U/F-conversion
	Resolution	approx. 0.1°C or 0.1°F
Power pack	Supply	230 VAC ± 10 % (max. 3 VA) 24 VDC ± 10 %, galvanic insulated (max. 1 VA)
	EEPROM	Data life ≥ 100 years at 25°C
Ambient conditions	Working temperature	0 to + 60 °C
	Storing temperature	-20 to + 80°C
	Climatic density	relative humidity 0-85% on years average without dew
CE-sign	Conformity to directive 200/108/EG	
EMV	EN 61326, EN 55011	
Safety standard	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	6	0	C.	7	7	0	D	D
Basic type M-Line																
Installation depth 74 mm incl. plug-in terminal																
Housing size 96 x 24 x 57 mm																
Display type Temperature																
Display colours Blue Green Red Orange																
Number of digits 4-digit																
Digit height 14 mm																
Interface without																

Dimension D physical unit (free selectable)																
Version D D																
Switching points 0 no switching points																
Protection class 1 without keypad, operation via PM-TOOL 7 IP65 / plug-in terminal																
Supply voltage 5 230 VAC 7 24 VDC galv. insulated																
Measuring input C Pt1000																
Analog output 0 without																
Pt1000 type 6 2-wire																