

M1 – 4-digit digital panel meter in 48x24 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: 27 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 / undercut
- navigation keys for the recall of min/max values or for 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 -40°C... 80°C or of -25°C...60°C



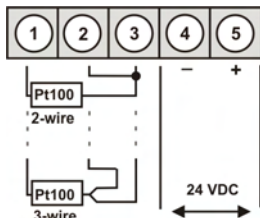
ORDERING NUMBER
(without options)

EUR

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

Supply 24 VDC

M1-7TR4A.030C.770CD



• Product key options

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

EUR

1	Without keypad, operation on the back
B	Blue
G	Green
Y	Orange

State physical unit in order, e.g. °F.

• Parameterisation software

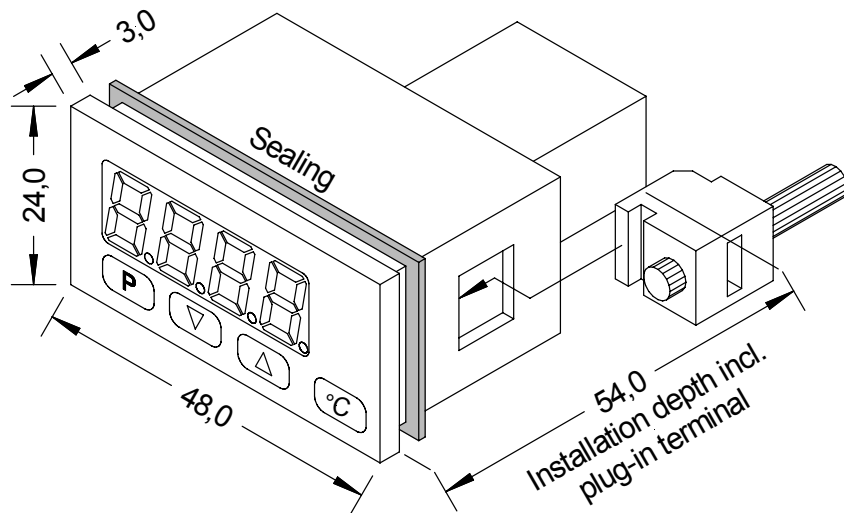
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

PM-TOOL-MUSB12

• Technical data

Dimension	Housing	B48xH24xD27 mm (including plug-in terminal D= 54 mm)
	Panel cut-out	45.0 ^{+0.8} x 22.2 ^{+0.6} 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. 100 g
Display	Display	4-digit
	Digit height	10 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
Measuring input	Span	-200°C...850°C / -328°F...1562°F
	Measuring fault	0.1% of measuring range, ± 1 Digit
	Temperature drift	100 ppm/K
	Measuring time	0.1 ... 10.0 seconds
	Measuring principle	U/F-conversion
	Resolution	approx. 0.1°C or 0.1°F
	Power pack	Supply
Memory		EEPROM
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 2004/108/EG	
EMV	EN 61326, EN 55011	
Safety standard	According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1	

Housing:



• Order key

	M	1-	7	T	R	4	A.	0	3	0	C.	7	7	0	C	D	
Basic type M-Line																	Operation D physical unit (free selectable)
Installation depth 54 mm, incl. plug-in terminal																	Version C C
Housing size 48x24x27 mm (BxHxD)																	Switching points 0 no switching point
Display type Temperature																	Protection class 1 without keypad, operation on the back 7 IP65 / plug-in terminal
Display colours Blue Green Red Orange																	Supply voltage 7 24 VDC galv. insulated
Number of digits 4-digit																	Measuring input C Pt100
Digit height 10 mm																	Analog output 0 without
Digital input without																	Pt100 type 3 Pt100 2-/3-wire