

M1 – 4-digit digital panel meter in 48x24 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: 27 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- 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



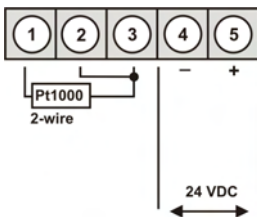
ORDERING NUMBER
(without options)

EUR

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

Supply 24 VDC

M1-7TR4A.060C.770CD



- **Product key options**

M 1 - 7 T R 4 A . 0 6 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	
	Connection	plug-in terminal; line cross-section up to 2.5 mm ²	
	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	
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	24 VDC +/- 10 %, galvanic insulated (max. 1 VA)	
Memory	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 2004/108/EG		
EMV	EN 61326, EN 55011		
Safety standard	According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1		

Housing:

