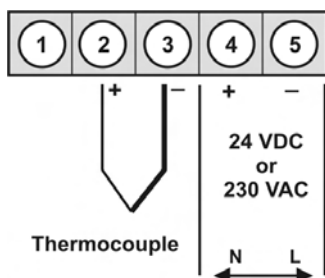


M1 – 4-digit digital panel meter in 96x24 mm (BxH) Thermocouple type B, E, J, K, L, N, R, S, T

- 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



• Thermocouple type B, E, J, K, L, N, R, S, T



Supply 230 VDC

Supply 24 VDC

ORDER NUMBER
(without options)

EUR

M1-3TR4B.040X.570DD 180,00

M1-3TR4B.040X.770DD 190,00

• Order key options

M	1-	3	T	R	4	B.	0	4	0	X.	5	7	0	D	D	EUR	
M	1-	3	T	R	4	B.	0	4	0	X.	7	7	0	D	D		
											1					10,00	
											X					Other voltage supplies on demand	
											B					Blue	38,00
											G					Green	9,50
											Y					Orange	3,00

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

89,00

• 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. 150 g	
Display	Connection	plug-in terminal; line cross-section up to 2.5 mm ²	
	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	
Measuring input	Underflow	horizontal bars at the bottom	
	Display time/ Measuring time	0.1 to 10.0 seconds	
	Measuring range	Type L	-200°C...900°C
		Type J	-210°C ...1200°C
		Type K	-270°C ...1372°C
		Type B	80°C ...1820°C
		Type S	-50°C ...1768°C
Type N		-270°C ...1300°C	
Type E		-270°C ...1000°C	
Type T		-270°C ...400°C	
Type R		-50°C ...1768°C	
Measuring fault		2 K, ± 1 Digit	
Temperature drift	100 ppm/K		
Measuring time	0.1 ... 10.0 seconds		
Measuring principle	U/F-conversion		
Resolution	0.1°C		
Characteristic curve fault	<± 1 kΩ		
Reference junction	Thermistor		
Power pack	Supply	230 VAC ± 10 % (max. 3 VA)	
		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 200/108/EG		
EMV	EN 61326, EN 55011		
Safety standard	According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1		

Housing:

