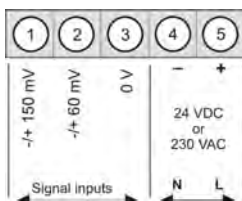


M1 – 4-digit digital panel meter in 96x48 mm (BxH) Direct voltage Shunt 0-150 mV, 0-60 mV

- 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
- 10 adjustable support points
- display flashing at threshold exceedance / undershooting
- navigation keys for the recall of min/max values or limit value corrections during operation
- tara-function
- 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



• Direct voltage Shunt



Supply 230 VAC

Supply 24 VDC

ORDER NUMBER
(without options)

EUR

M1-1VR4B.0002.570CD

M1-1VR4B.0002.770CD

• Product key options

M	1-	1	V	R	4	B.	0	0	0	2.	5	7	0	C	D
M	1-	1	V	R	4	B.	0	0	0	2.	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. %.

• 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	B96xH48xD25 mm (including plug-in terminal D= 38 mm)	
	Panel cut-out	92.0 ^{+0.8} x 45.0 ^{+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	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	
Underflow	horizontal bars at the bottom		
Display time/ Measuring time	0.1 to 10.0 seconds		
Measuring input	Span	-5...80 mV	/ -10...180 mV
	Measuring range	0...60 mV	/ 0...150 mV
	Input resistance	Ri at ~12 kΩ	/ Ri at ~30 Ω
	Measuring fault	0.2% of measuring range, ± 1 Digit / 0.2% of measuring range, ± 1 Digit	
	Temperature drift	100 ppm/K	
	Measuring time	0.1 ... 10.0 seconds	
	Measuring principle	U/F-conversion	
Resolution	approx. 18 Bit at 1s measuring time		
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 2004/108/EG		
EMV	EN 61326, EN 55011		
Safety standard	According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1		

Housing:

