

M1 – 4-digit digital panel meters in 72x36 mm (BxH)

Standard signals 0/4-20 mA, 0-10 VDC; optional 50 VDC, 100 VDC

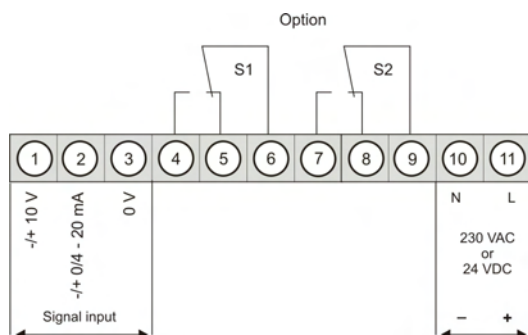
- red display with -1999...9999 digits (optional green, orange or blue displays)
- installation depth: 97 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min-/max-value recording
- 10 adjustable support points
- display flashing at threshold undercut/ exceedance
- navigation keys for the recall of the min/max-values or for threshold value corrections during operation
- tara function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- optional: 2 relay outputs
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -40°C...80°C or -25°C...60°C



ORDER NUMBER
(without options)

EUR

• Direct current, direct voltage



Supply 230 VAC

M1-6VR4B.0001.570BD

Supply 24 VDC

M1-6VR4B.0001.770BD

For further voltage inputs see options!

• Product key options

M	1-	6	V	R	4	B.	0	0	0	1.	5	7	0	B	D
M	1-	6	V	R	4	B.	0	0	0	1.	7	7	0	B	D

EUR

S100 to 100 VDC, measuring error 0.5% of final value	
S260 to 50 VDC, measuring error 0.5% of final value	
2	2 relay outputs
1	without keypad, operation on the back
X	Other voltage supplies on demand!
B	Blue
G	Green
Y	Orange

State physical unit by order, e.g. m/min!

• 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

Dimensions	Housing	B72 x H36 x D97 mm, (incl. plug-in terminal D = 113 mm)		
	Panel cut-out	68.0 ^{+0.7} x 33.0 ^{+0.6} mm		
	Fixing	screw elements for wall thickness up to 3 mm		
	Housing material	PC Polycarbonate, black		
	Sealing material	EPDM, 65 Shore, black		
	Protection class	at the front IP65 standard, at the back IP00		
	Weight	approx. 200 g		
	Connection	plug-in terminal; wire 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		
	Range of display	-1999 to 9999		
	Threshold values	optical display flashing		
	Overflow	horizontal bars at the top		
	Underflow	horizontal bars at the bottom		
Display time/Meas. time	0.1 to 10.0 seconds			
Measuring input	Measuring span	-12...12 V	/ -22...24 mA	
	Measuring range	0-10 VDC	/ 0/4-20 mA	
	Input resistance	Ri with ~200 kΩ	/ Ri with ~100 Ω	
	Measuring error	0.1% of measuring range, ± 1 Digit	/ 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. 18 Bit at 1s measuring time		
	Output	Relay	with change-over contact 250 V / 5 AAC, 30 V / 5 VDC	
		Switching cycles	30 * 10 ³ with 5 AAC, 5 ADC ohm resistive load 10 * 10 ⁶ mechanically Diversity according to DIN EN50178 / Characteristics according to DIN EN60255	
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:

