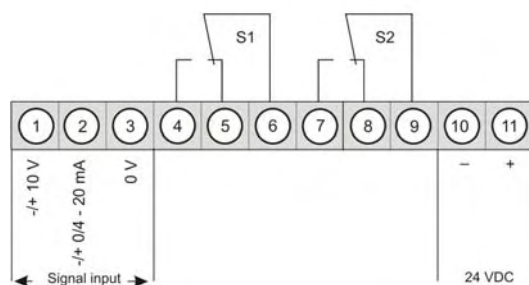


M1-tricolour – 4-digit digital panel meter in 96x48 mm (BxH) Standard signal 0/4-20 mA, 0-10 VDC

- tricolour display of -1999...9999 digits (red, green, orange switchable via limit values)
- 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 for limit value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- 2 relay outputs (change-over-contacts)
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -25°C...60°C or for -40°C...80°C



• Direct current, direct voltage



ORDER NUMBER
(without options)

EUR

M1-1VT4B.0001.772BD

• Product key options

M 1- 1 V T 4 B. 0 0 0 1. 7 7 2 C D

EUR

1 Without keypad, operation on the back

Please state physical unit in order, e.g. bar.

• Parameterisation software

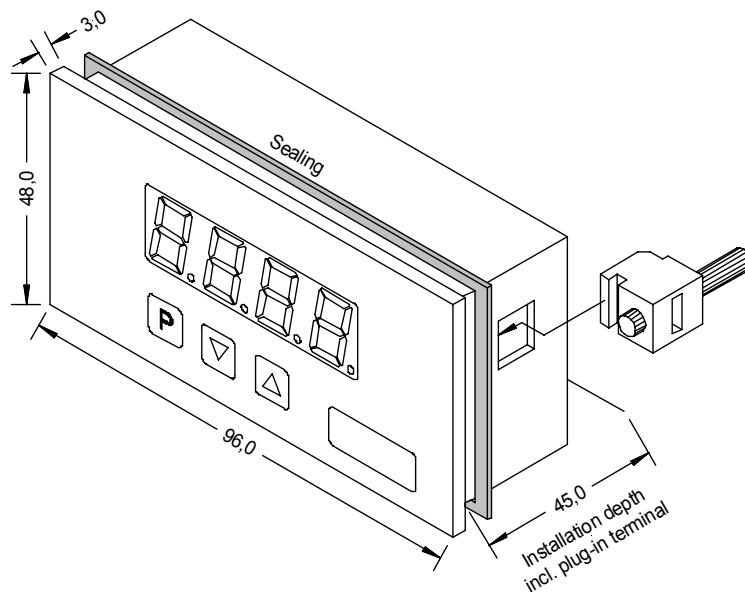
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

PM-TOOL-MUSB4

• Technical data

Dimension	Housing	B96xH48xD25 mm (including plug-in terminal D= 45 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	
	Connection	plug-in terminal; line cross-section up to 2.5 mm ²	
Display	Display	4-digit	
	Digit height	14 mm	
	Segment colour	tricolour (red, green, orange)	
	Display range	-1999 to 9999	
	Setpoints	optical display flashing and/or change of colour	
	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	-12...12 V	/ -22...24 mA
	Measuring range	0-10 V	/ 0/4-20 mA
	Input resistance	Ri at ~200 kΩ	/ Ri at ~100 Ω
	Measuring fault	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 1 second measuring time	
Outputs	Relay	with change-over contact 250 VAC / 5 AAC; 30 VDC, 5 ADC	
	Switching cycles	30 * 10 ³ at 5 AAC, 5 ADC resistive burden 10 * 10 ⁶ mechanically	
Power pack	Supply	Division according to DIN EN50178 / Characteristics according to DIN EN 60255 24 VDC +/- 10 %, galvanic insulated (2 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:



• Ordering code

	M	1-	1	V	T	4	B.	0	0	0	1.	7	7	2	C	D	
Basic type M-Line																	
Installation depth 45 mm incl. plug-in terminal			<input type="text" value="1"/>														Dimension <input type="text" value="D"/> physical unit
Housing size 96 x 48 x 25 mm (BxHxD)			<input type="text" value="1"/>														Version <input type="text" value="C"/> C
Display type V, A				<input type="text" value="V"/>													Setpoints <input type="text" value="2"/> 2 relay outputs
Display colours Tricolour (red-green-orange)					<input type="text" value="T"/>												Protection class <input type="text" value="1"/> without keypad, operation on the back <input type="text" value="7"/> IP65 / plug-in terminal
Number of digits 4-digit						<input type="text" value="4"/>											Supply voltage <input type="text" value="7"/> 24 VDC galvanic insulated
Digit height 14 mm							<input type="text" value="B"/>										Measuring input <input type="text" value="1"/> Direct current, direct voltage
Interface without								<input type="text" value="0"/>									Analog output <input type="text" value="0"/> without
																	Sensor supply <input type="text" value="0"/> without