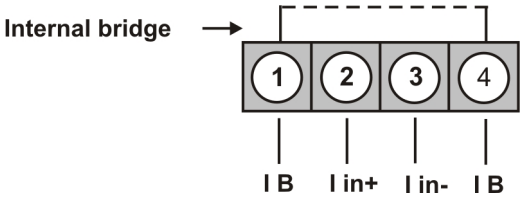
M1– 4-digit digital panel meter in 48x24 mm (BxH)
Current loop 4-20 mA

- red display of -1999…9999 digits
- minimal installation depth: 27 mm without plug-in terminal
- min/max-value recording
- adjustment via factory default or directly on the sensor signal
- 10 adjustable support points
- display flashing at threshold value exceedance / undercut
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- navigation keys for the triggering of min/max-values or for threshold value corrections during operation
- accessories: pc-based configuration-kit PM-TOOL with USB adapter
- on request: devices for working temperatures of -25°C…60°C or of -40°C…80°C

	ORDER NUMBER (without options)	EUR

• Direct current 4-20 mA



	M1-7SR4A.0001.K70xD	127.10

• Product key options

M	1-	7	S	R	4	A.	0	0	0	1.	K	7	0	x	D

		EUR
D	Dimension/physical unit, customer-specific settings	20.00
1	Without keypad, operation on the back	10.60

Please state physical unit on demand, e.g. A.

• Parameterisation software

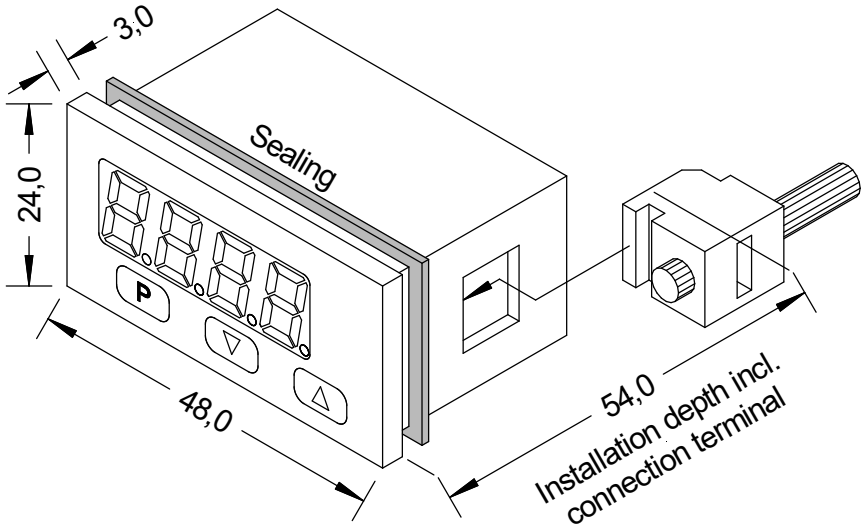
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. USB-adapter. Programming happens via an interface on the back.

	PM-TOOL-MUSB4	94.30

• Technical data

Dimensions	Housing	B48 x H24 x D27 mm (incl. plug-in terminal D=54 mm)
	Panel cut-out	$45.0^{+0.8}$ x $22.2^{+0.6}$ mm
	Fixing	screw elements for wall thickness up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	front IP65 standard, rear side IP00
	Weight	approx. 50 g
	Connection	plug terminal; line cross section up to 2.5 mm^2
Display	Digit height	10 mm
	Segment colour	red
	Display range	-1999 to 9999
	Setpoints	optical display flashing
	Overflow	horizontal bars at the top
	Underflow	horizontal bars at the bottom
	Display/measuring time	0.1 to 10.0 seconds
Measuring input	Input	min. 3.5…max. 21 mA
	Measuring range	4-20 mA
	Measuring fault	0.3% of measuring range, ± 1 digit Measuring fault at measuring time = 1 second
	Fail of voltage	approx. 5.1 V
	Temperature drift	100 ppm/K
	Measuring principle	successive approximation
	Resolution	12 bit-converter 14 bit (noiseless by oversampling at 1 sec measuring time)
Memory	Flash-memory (independent of supply)	
	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 0-80% on years average without dew
CE-sign	Conformity to directive 2014/30/EU	
EMV	EN 61326, EN 55011	
Safety standard	according to low voltage directive 2014/35/EU, EN 61010; EN 60664-1	

Housing:



• Ordering code

	M	1-	7	S	R	4	A.	0	0	0	1.	K	7	0	x	D

Basic type M-Line

Installation depth

54 mm incl. plug-in terminal [1]

Housing size

48 x 24 x 27 mm [7]

Display type

Current loop [S]

Display colour

Red [R]

Number of digits

4-digit [4]

Digit height

10 mm [A]

Interface

without [0]

Dimension

[D] physical unit

Version

[x] internal version

Setpoints

[0] without

Protection

[1] without keypad, operation via PM-TOOL

[7] IP65 / plug-in terminal

Supply voltage

[K] via current loop

Measuring input

[1] direct current 4-20 mA

Analog output

[0] without

Sensor supply

[0] without