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 CD & USB adapter
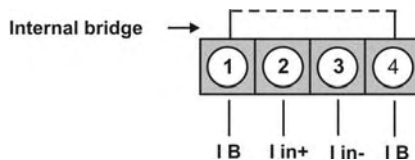• on demand: devices for working temperatures of -25°C…60°C or of -40°C…80°C

	ORDER NUMBER	EUR
	(without options)	

• Direct current 4-20 mA

M1-7SR4A.0001.K70CD

• Product key options

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

1	without keypad, operation on the back

Please state physical unit on demand, e.g. A.
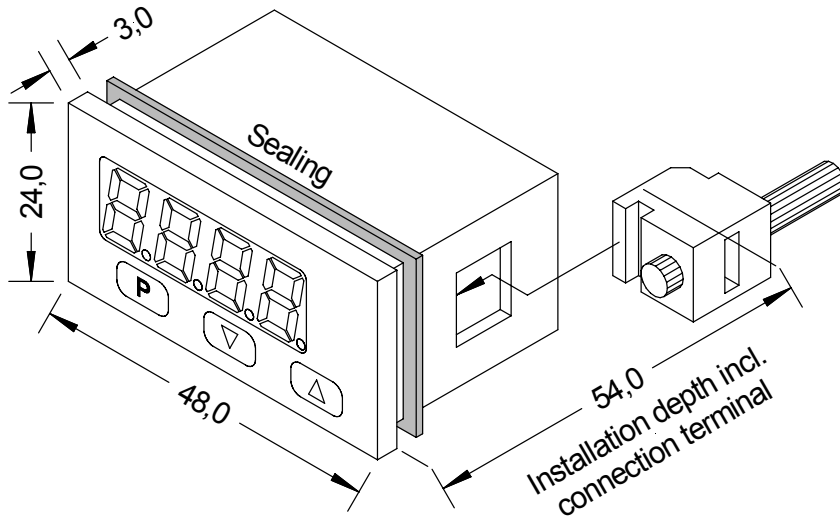
• Parameterisation software

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

PM-TOOL-MUSB6

• 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 s 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 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- | 7 | S | R | 4 | A. | 0 | 0 | 0 | 1. | K | 7 | 0 | C | 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 on demand

Version
C   C

Setpoints
0   without

Protection
1   without keypad, operation on the back
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