## Digital panel meter
4-digit

M1 current loop

- red display of -1999…9999 digits

- minimal installation depth: 27 mm without plug-in terminal

- min-/max-value recording

- 10 adjustable setpoints

- optical threshold value indication

- tara- / offset value calibration

- zero point tranquilization

- programming interlock via access code

- protection class IP65 at the front

- plug-in terminal

- accessories: PC-based configuration-software PM-TOOL

Digital panel meter

- current loop device, direct current

Internal bridge

| I B | I in+ | I in- | I B |
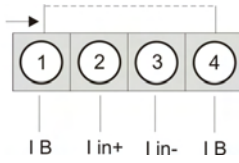
ORDER NUMBER (without options)	EUR
M1-7SR4A.0001.K70A0	120,00

Product key options:

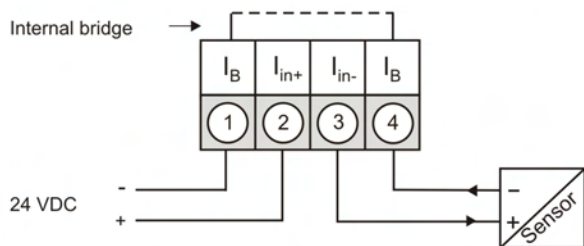| M	1-	7	S	R	4	B.	0	0	0	1.	K	7	0	A	O	EUR
												1	without keypad, operation on the back			on demand

- *Accessories*

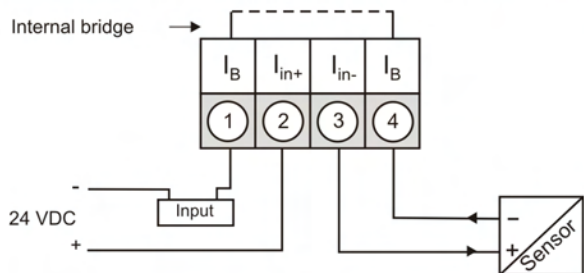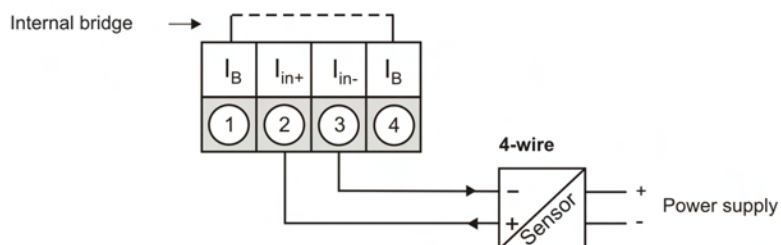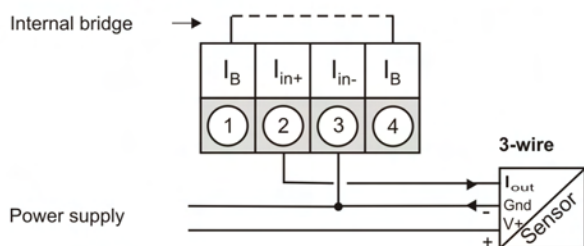|		
Parametrising software Incl. USB-cable and device adapter The programming is made via an interface on the back	**PM-TOOL-MUSB6**	89,00

Connection pictures

Current loop device in combination with a transmitter in current loop technique:

Internal bridge →

I_B	I_{in+}	I_{in-}	I_B
①	②	③	④

24 VDC − +

Sensor

Current loop device in combination with another measuringout with low burden:

Internal bridge →

I_B	I_{in+}	I_{in-}	I_B
①	②	③	④

24 VDC − +

Input

Sensor

Current loop device in combination with a 3-/4-wire sensor:

Internal bridge →

I_B	I_{in+}	I_{in-}	I_B
①	②	③	④

3-wire

Power supply

I_{out}
Gnd
V+

Sensor

Internal bridge →

I_B	I_{in+}	I_{in-}	I_B
①	②	③	④

4-wire

Sensor

Power supply

48x24

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 insulation thickness up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	front IP65 standard
		rearside 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
	Fail of voltage	approx. 5.1 V
		Measuring range / measuring fault at measuring time = 1 second
	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

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 200/108/EG
EMV	EN 61326
Safety standard	EN 61010

Housing:
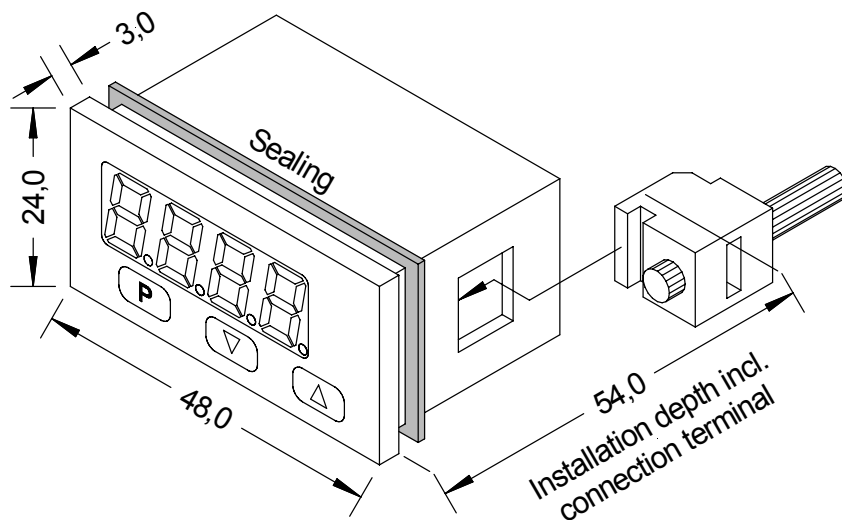
Ordering code

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

Basic type M-Line

Installation depth
54 mm — `1`
incl. plug-in terminal

Housing size
48 x 24 x 27 mm — `7`
without plug-in terminal

Display type
Current loop — `S`

Display colour
Red — `R`

Number of digits
4-digit — `4`

Digit height
10 mm — `A`

Interface
without — `0`

Dimension
`0` without

Version
`A` A

Setpoints
`0` without

Protection
`1` without keypad, operation on the back
`7` IP65 / plug-in terminal

Supply voltage
`K` via current

Measuring input
`1` Direct current 4-20 mA

Analog output
`0` without

Sensor supply
`0` without