Digital panel meter
4-digit

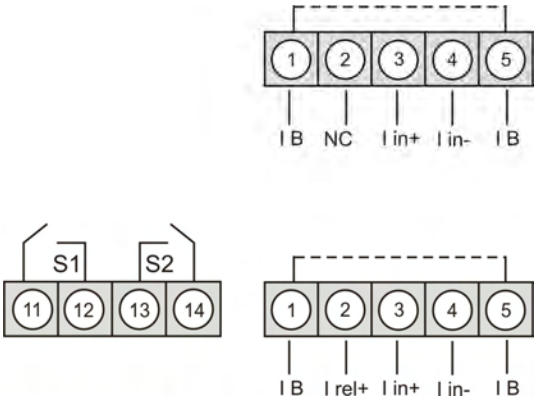
M1 current loop

- red display of -1999…9999 digits
- minimal installation depth: 25 mm without plug-in terminal
- min-/max-value recording
- 10 adjustable setpoints
- display flashing at threshold exceedance / undershooting
- 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

ORDER NUMBER (without options)	EUR
M1-1SR4B.0001.K70AD	**120,00**
M1-1SR4B.0001.K72AD	**140,00**



Product key options:

M	**1-**	**1**	**S**	**R**	**4**	**B.**	**0**	**0**	**0**	**1.**	**K**	**7**	**0**	**A**	**D**
M	**1-**	**1**	**S**	**R**	**4**	**B.**	**0**	**0**	**0**	**1.**	**K**	**7**	**2**	**A**	**D**

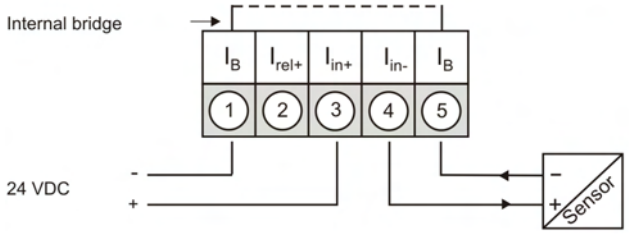
		EUR
1	Without keypad, operation on the back	on demand

- ***Accessories***

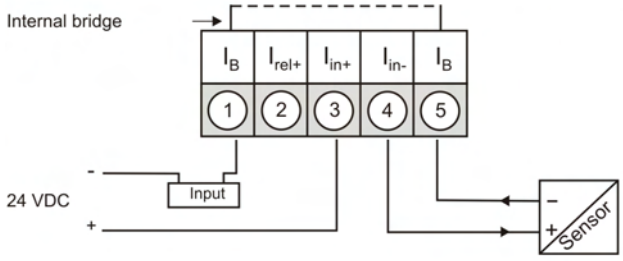
Parametrisation software Incl. USB-cable and device adapter Programming is made via an interface on the back	**PM-TOOL-MUSB6**	**89,00**

Connection pictures (our examples show devices with setpoints)

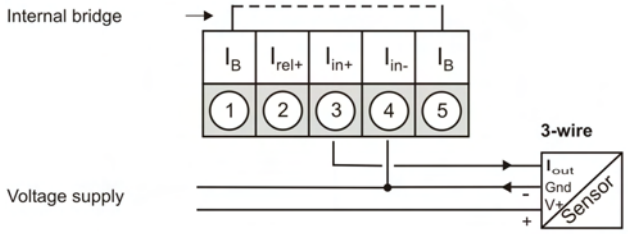
Current loop device in combination with a transmitter in current loop technique:

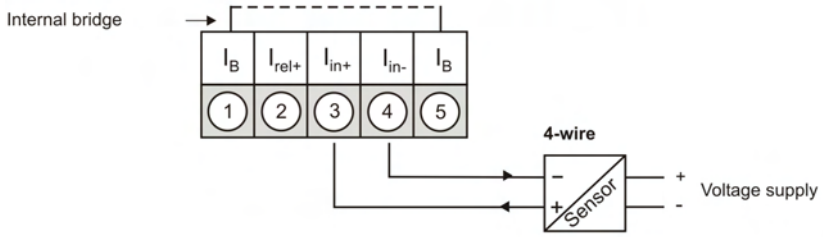


Current loop device in combination with another measuring input with low burden:

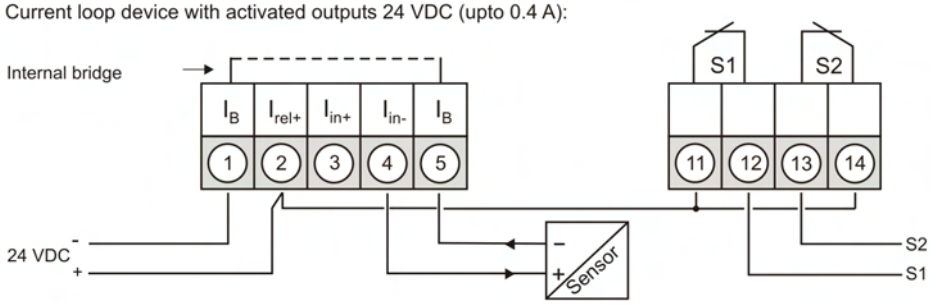


Current loop device in combination with a 3-/4-wire sensor:





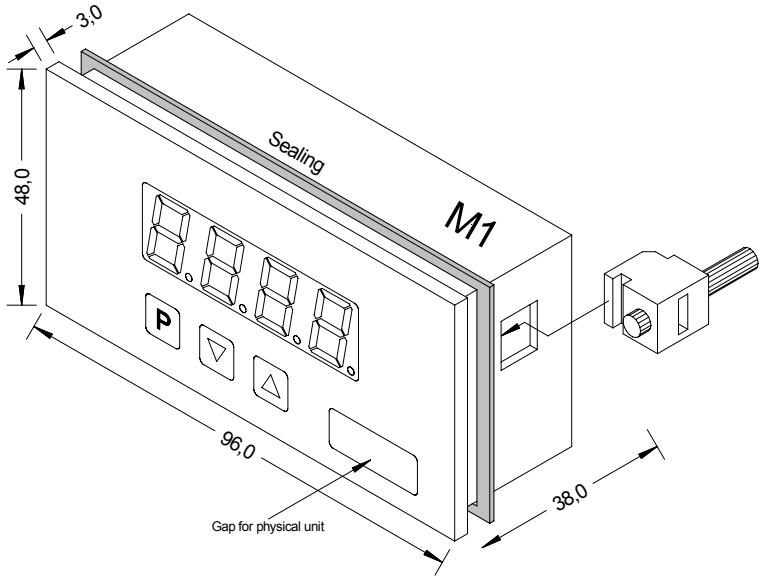
Current loop device with activated outputs 24 VDC (upto 0.4 A):



Technical data

Dimensions	Housing	B96 x H48 x D25 mm, (incl. plug-in terminal D= 38 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 Polycarbonat, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	front IP65 standard rear side IP00
	Weight	approx. 50 g
	Connection	plug-in terminal; line cross section up to 2.5 mm^2
Display		
	Digit height	14 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 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 without switching outputs approx. 8.0 V with switching outputs Measuring range / measuring fault at measuring time = 1 second
	Temperature drift	100 ppm/K
	Measuring time	0.1…10.0 seconds
	Measuring principle	successive approximation
	Resolution	12 Bit-converter 14 Bit (noiseless by oversampling at 1 s measuring time)
Output		
	Setpoints	potentialfree PhotoMOS-outputs max. switching voltage 30 VDC/AC max. steady current 0.4 A Electric strength AC: 400 V permanent, 1800 V for 1 minute
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 2004/108/EG	
EMV	EN 61326	
Safety standard	EN 61010	

Housing:



Ordering code

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

Basic type M-Line

Installation depth
short [1]

Housing size
96 x 48 x 25 mm [1]
without plug-in terminal

Display type
Current loop [S]

Display colour
Red [R]

Number of digits
4-digit [4]

Digit height
14 mm [B]

Interface
without [0]

Dimension
[D] physical unit (free choice)

Version
[A] A

Setpoints
[0] without
[2] PhotoMOS-outputs

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