

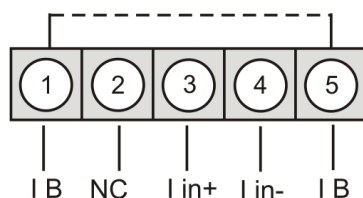
## IM1– 4-digit digital panel meter in 96x24 mm (BxH) Current loop 4-20 mA

- red display of -1999...9999 digits
- minimal installation depth: 40 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
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in screw terminal
- optional: two PhotoMos switching outputs
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on request: devices for working temperatures of -25°C...60°C or of -40°C...80°C

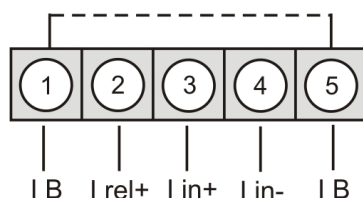
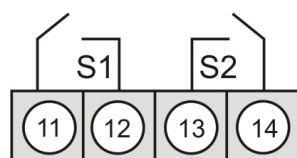


**ORDER NUMBER** **EUR**  
(without options)

### • Current loop device, direct current 4-20 mA



**IM1-3SR4B.0001.K70xD** **143.00**



**IM1-3SR4B.0001.K72xD** **164.20**

### • Product key options

IM	1-	3	S	R	4	B.	0	0	0	1.	K	7	0	x	D
IM	1-	3	S	R	4	B.	0	0	0	1.	K	7	2	x	D

1 Without keypad, operation on the back

**EUR**

10.60

Please state physical unit on demand, e.g. °C.

### • Parameterisation software

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

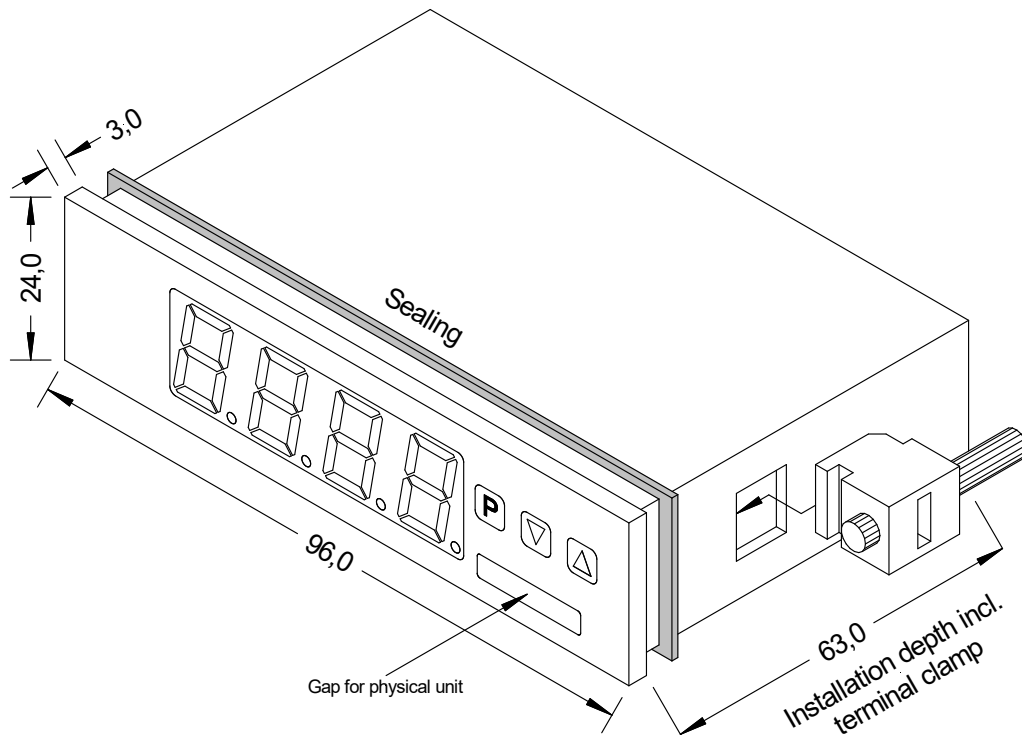
**PM-TOOL-MUSB4**

**94.30**

## • Technical data

<b>Dimensions</b>	Housing	B96 x H24 x D 40 mm, (incl. plug-in terminal D= 63 mm)
	Panel cut-out	92.0 <sup>+0.8</sup> x 22.2 <sup>+0.3</sup> 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, rear side IP00
	Weight	approx. 100 g
<b>Display</b>	Connection	plug-in terminal; line cross section up to 2.5 mm <sup>2</sup>
	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	
<b>Measuring input</b>	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 without switching outputs
		approx. 8.0 V with switching outputs
	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)	
<b>Output</b>	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
<b>Memory</b>	Flash-memory (independent of supply)	
	Data life	≥ 100 years at 25°C
<b>Ambient conditions</b>	Working temperature	0 to +60°C
	Storing temperature	-20 to +80°C
	Climatic density	relative humidity 0-80% on years average without dew
<b>CE-sign</b>	Conformity to directive 2014/30/EU	
<b>EMV</b>	EN 61326, EN 55011	
<b>Safety standard</b>	according to low voltage directive 2014/35/EU, EN 61010; EN 60664-1	

### Housing:



• Ordering code

	IM	1-	3	S	R	4	B.	0	0	0	1.	K	7	0	x	D
<b>Basic type M-Line</b>																
<b>Installation depth</b> 63 mm incl. plug-in terminal			<input type="text" value="1"/>													
<b>Housing size</b> 96 x 24 x 37 mm			<input type="text" value="3"/>													
<b>Display type</b> Current loop				<input type="text" value="S"/>												
<b>Display colour</b> Red					<input type="text" value="R"/>											
<b>Number of digits</b> 4-digit						<input type="text" value="4"/>										
<b>Digit height</b> 14 mm						<input type="text" value="B"/>										
<b>Interface</b> without											<input type="text" value="0"/>					

**Dimension**

physical unit (free selectable)

**Version**

internal version

**Switching points**

without

PhotoMOS-outputs

**Protection**

without keypad, operation via PM-TOOL

IP65 / plug-in terminal

**Supply voltage**

via current loop

**Measuring input**

direct current 4-20 mA

**Analog output**

without

**Sensor supply**

without