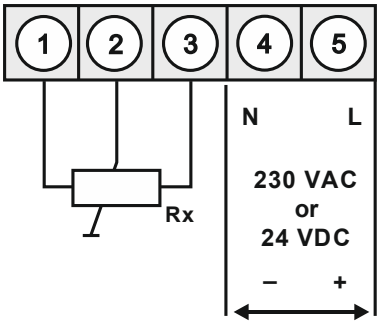
IM1 – 4-digit digital panel meters in 72x36 mm (BxH)
Potentiometer 1 kΩ … <1000 kΩ

- red display with -1999…9999 digits (optional green, orange or blue displays)
- minimal installation depth: 100 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 undercut/ exceedance
- navigation keys for the recall of the min/max-values or for threshold value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- optional: 2 relay outputs
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on request: devices for working temperatures of -40°C…+70°C

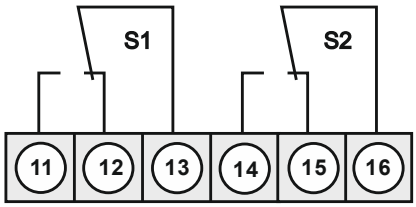
	ORDER NUMBER (without options)	EUR

• Potentiometer >1 kΩ … <1000 kΩ



Supply 230 VAC	**IM1-6VR4B.0005.570xD**	**201.20**
Supply 24 VDC	**IM1-6VR4B.0005.770xD**	**211.80**

Option:



• Product key options

IM	1-	6	V	R	4	B.	0	0	0	5.	5	7	0	x	D
IM	1-	6	V	R	4	B.	0	0	0	5.	7	7	0	x	D

		EUR
D	Dimension/physical unit, customer-specific settings	20.00
2	2 relay outputs	31.80
1	without keypad, operation via PC software PM-TOOL	10.60
X	other voltage supplies on demand!	
B	Blue	35.00
G	Green	10.10
Y	Orange	10.10

State physical unit by order, e.g. %!

• 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**

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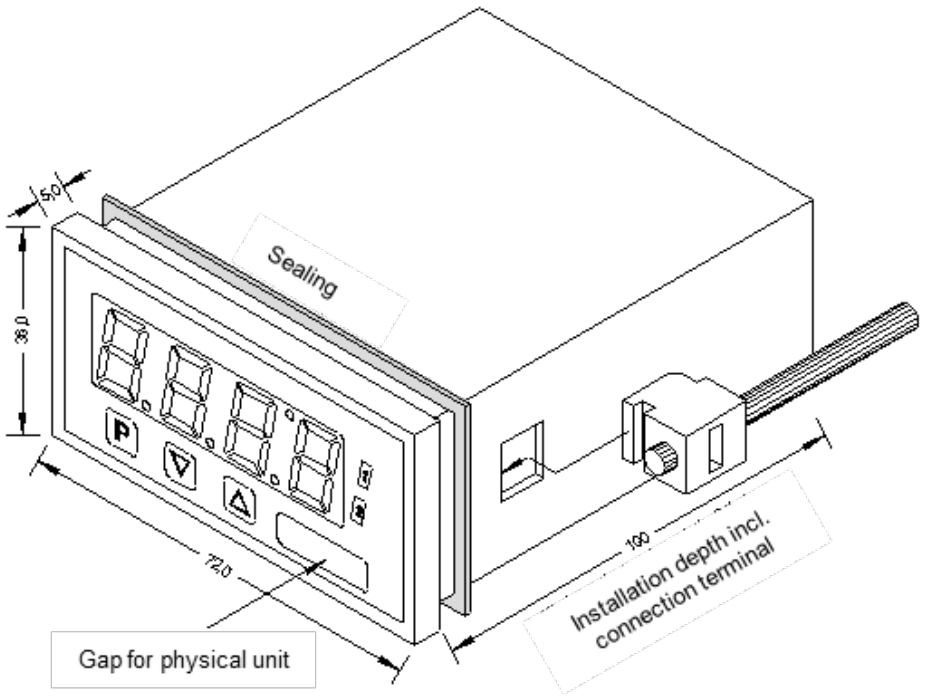
• Technical data

Dimensions	Housing	B72 x H36 x D71 mm, (incl. plug-in terminal D = 100 mm)
	Panel cut-out	$68.0^{+0.7}$ x $32.0^{+0.6}$ mm
	Fixing	screw elements for wall thickness up to 3 mm
	Housing material	PC Polycarbonate, black
	Sealing material	EPDM, 65 Shore, black
	Protection class	at the front IP65 standard, at the back IP00
	Weight	approx. 200 g
	Connection	plug-in terminal; wire cross section up to 2.5 mm^2
Display	Display	4-digit
	Digit height	14 mm
	Segment colour	red (Standard), optional available in green, blue and orange
	Range of display	-1999 to 9999
	Threshold values	optical display flashing
	Overflow	horizontal bars at the top
	Underflow	horizontal bars at the bottom
	Display time/Meas. time	0.1 to 10.0 seconds
Measuring input	Measuring span	>1 kΩ … <1000 kΩ
	Measuring range	0-100 %
	Measuring error	0.5% of measuring range, ± 1 Digit
	Temperature drift	100 ppm/K
	Measuring time	0.1 … 10.0 seconds
	Measuring principle	U/F-conversion
	Resolution	approx. 18 bit at 1 sec measuring time
Output	2x relay outputs	contact voltage 30 VDC/AC, max. 2 A resistive load
	with nomally open contact	operating life < 30 mV/< 10 mA – minimum 2.5x10^6 30 VDC / 1 A – minimum 5x10^5 30 VDC / 2 A – minimum 1x10^5
Power pack	Supply	230 VAC ±10 % (max. 3 VA) 24 VDC ±10 %, galvanic isolated (max. 1 VA)
Memory	EEPROM	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 0-85% 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:



• Product key

	IM	1-	6	V	R	4	B.	0	0	0	5.	7	7	0	x	D	

Basic type M-line

Installation depth

100 mm incl. plug-in terminal: 1

Housing size

72x36x71 mm (BxHxD): 6

Display type

Ohm: V

Display colours

Blue: B
Green: G
Red: R
Orange: Y

Number of digits

4-digit: 4

Digit height

14 mm: B

Digital input

none: 0

Dimension

D: physical unit

Version

x: internal version

Switching points

2: 2 relay outputs

Protection class

1: without keypad, operation via PM-TOOL
7: IP65 / plug-in terminal

Supply voltage

5: 230 VAC
7: 24 VDC galv. isolated

Measuring input

5: Potentiometer > 1 kΩ…< 1000 kΩ

Analog output

0: none

Sensor supply

0: none

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