

## IM2-2VR4C – 4-digit digital panel meter Standard signal measuring

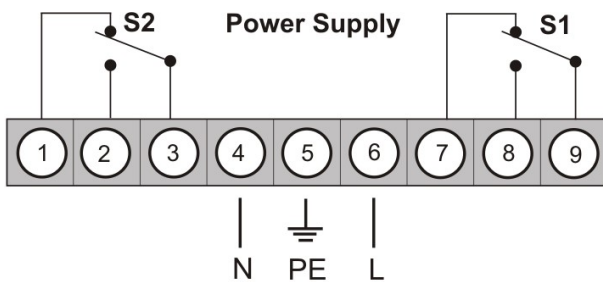
- Digit height: 20 mm
- Colour: red
- Range of display: -999...9999
- Housing: black, made of LEXAN 500R
- Protection class: IP65 (front), IP00 (back)
- Dimensions: 96x96 mm, depth 75 mm, including plug-in terminal
- Supply: 230 VAC
- Sensor supply: 24 V / 50 mA
- Measuring input: 0-10 VDC, 0/4-20 mA
- 2 relay outputs
- 10 point linearization
- Offset allowance
- Tara- / Hold-function



ORDER NUMBER

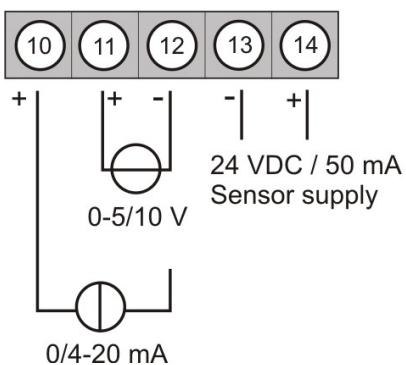
EUR

### • Standard signals



IM2-2VR4C.0301.572xD

291.20



## • Technical data

### Housing

Dimensions	96 x 96 x 75 mm (BxHxD), including plug-in terminal
Installation depth	49 mm absolute housing depth; 69 mm including plug-in terminal
Panel cut-out	91.0 <sup>+0.6</sup> x 91.0 <sup>+0.6</sup> mm
Wall thickness	up to 10 mm
Fixing	fastening element, fixable via screws
Material	LEXAN 500R, black
Weight	approx. 370 g
Connection	removable screw terminal; line cross section up to 2.5 mm <sup>2</sup>
Installation grate	horizontally 120 mm / vertically 120 mm recommended

### Display

Digit height	20 mm
Segment colour	red
Range of display	-999...9999
Set points	one LED per set points
Overflow	horizontal bars at the top
Underflow	horizontal bars at the bottom
Display time	0.1...10.0 seconds

### Inputs

	Measuring range	R <sub>i</sub> approx.	Measuring fault [%] of measuring range	Digit
Measuring range /	0...10 V	150 kΩ	0,1	± 1
Input resistance/	0...5 V	150 kΩ	0,1	± 1
Measuring fault	0...20 mA	100 Ω	0,1	± 1
(at measuring time =1 second)	4...20 mA	100 Ω	0,1	± 1
Temperature drift	all measuring inputs 50 ppm/K			
Measuring time = display time	0.1...10.0 seconds			
Measuring principle	Voltage converter / frequency converter			
Resolution (at 1 second measuring time)	approx. 20 bit			

### Output

Relay	Change-over contact
	230 VAC 5 A / 30 VDC 2 A (cos φ = 1); with ohm resistive burden
Switching cycle	0,5 * 10 <sup>5</sup> at max. contact rating 5 * 10 <sup>6</sup> mechanically
	Separation according to DIN EN 50178 Specification according to DIN EN 60255

Sensor supply (galvanic isolated) 24 VDC; 50 mA

### Power pack

Voltage supply (galvanic isolated) 230 VAC / 50/60 Hz / ±10 %

Power consumption max. 8 VA

### Memory

Data life Parameter memory EEPROM >20 years

### Ambient conditions

Working temperature	0...60 °C
Storing temperature	-20...80 °C
Climatic density	rel. humidity ≤ 75 % on years average without dew

### EMV

EN 61326-1 Interference resistance (industrial area),  
EN 55011 Emission (group 1, class B)

### CE-sign

Conformity according to 2014/30/EU

### Safety standard

According to low voltage directive 2014/35/EU; EN 61010, EN 60664-1

