



Digital display M2-2VR4C

Panel meter device for standard signal measuring

4-digit

- Digit: 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

Digitale panel meter

- Standard signals

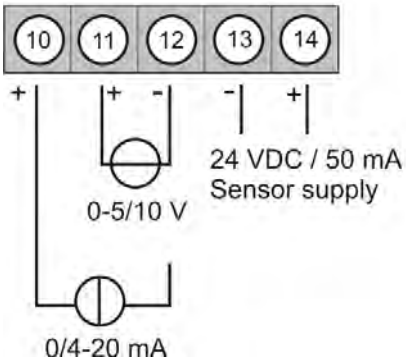
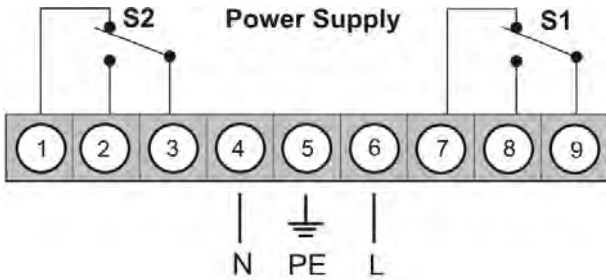


ORDER NUMBER

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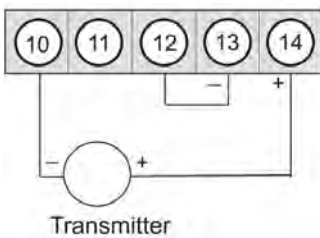
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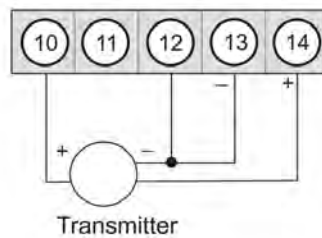


Connection pictures by use of sensor supply

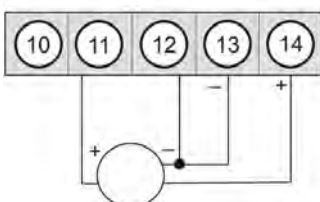
2-wire sensor 4-20 mA



3-wire sensor 0-20 mA



3-wire sensor 0-5 V / 0-10 V



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 ^{+0.6} x 91.0 ^{+0.6} 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 ²
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 _i 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-/Frequency converter	
Resolution	approx. 20 bit	
(at 1 second measuring time)		

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 ⁵ at max. contact rating
	5 * 10 ⁶ mechanically
	Separation according to DIN EN 50178
	Specification according to DIN EN 60255

Sensor supply (galvanic insulated)	24 VDC; 50 mA
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Power pack

Voltage supply (galvanic insulated)	230 VAC / 50/60 Hz / ±10 %
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Power consumption	max. 8 VA
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Memory

Data life	Parameter memory EEPROM
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Ambient conditions

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

EMV

CE-sign	DIN 61326 Conformity according to 89/336/EWG
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Safety standard

	DIN 61010
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Order code M2

Digital display - standard

	M	2-	2	V	R	4	C.	0	3	0	1.	5	7	2	A	D	
Standard type M-Line																	Dimension
																	D physical unit
Installation depth																	Version
75 mm																	A Version A
incl. plug-in terminal																	
Housing size																	Setpoints
96x48x25mm (BxHxD)																	2 2 relay outputs
Type of display																	Protection class
V, mA																	7 IP65 / plug-in terminal
Display colour																	Supply voltage
red																	5 230 VAC
Number of digits																	Measuring input
4-digit																	1 Direct current, direct voltage
Digit height																	Analog output
20 mm																	0 none
Digital input																	Sensor supply
ohne																	3 24 VDC / 50 mA