

# **VEGAMET 381**

# Signal conditioning instrument and indication for continuous measurement



## **Application area**

VEGAMET 381 is a signal conditioning and indicating instrument for simple control tasks in all industries. Comprehensive adjustment functions allow individual adaptations to the respective application.

# **Advantages**

- 4 ... 20 mA sensor input with transmitter power supply
- Two relay outputs, one scalable current output
- Large LC display for digital and quasianalogue measured value indication
- Front panel, wall or carrier rail mounting
- Covered adjustment elements

#### **Function**

The VEGAMET 381 signal conditioning instrument powers a 4 ... 20 mA sensor and processes its measured value. Through an adjustment on VEGAMET this measured value can be scaled individually and outputted to connected instruments via the current output. Beside the large indication there are two operating relays that serve as limit alarms for control tasks.

Series For panel or wall mounting or mounting on carrier rail 35 x 7.5 (EN 50022)  Connection terminals  - Type of terminal Screw terminal  - Max. wire cross-section 1.5 mm² (AWG 16)  Operating voltage 20 253 V AC, 50/60 Hz, 20 253 V DC Max. power consumption 12 VA, 4 W  Sensor input  Number of sensors 1 x 4 20 mA  Type of input (adjustable)  - mode active Sensor power supply by VEGAMET 381  - mode passive Sensor has own power supply  Relay outputs  Quantity 2 x operating relay, 1 x fail safe relay min. 10 mV DC, max. 250 V AC/DC min. 10 mV DC, max. 3 A AC, 1 A DC min. 50 mW, max. 500 VA, max. 54 W DC  Current outputs  Quantity 1 x output  Range 0/4 20 mA  Max. load 500 Ω  Measured value indication  - LC display (45 x 45 mm) digital and quasianalogue indication  - 9999 9999	Technical data	
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LED displays  - Status operating voltage 1 x LED green	<ul> <li>LC display (45 x 45 mm)</li> </ul>	digital and quasianalogue indication
- Status operating voltage 1 x LED green	<ul> <li>Max. indicating range</li> </ul>	-9999 9999
	LED displays	
<ul> <li>Status fault signal</li> <li>1 x LED red</li> </ul>	<ul> <li>Status operating voltage</li> </ul>	1 x LED green
	<ul> <li>Status fault signal</li> </ul>	1 x LED red
<ul> <li>Status operating relay 1/2 2 x LED yellow</li> </ul>	- Status operating relay 1/2	2 x LED yellow
Ambient temperature -20 +60 °C (-4 +140 °F)	Ambient temperature	-20 +60 °C (-4 +140 °F)
Protection rating	Protection rating	
- Wall, rail mounting IP 20	<ul> <li>Wall, rail mounting</li> </ul>	IP 20
- Front panel mounting IP 40	<ul> <li>Front panel mounting</li> </ul>	IP 40

# Approvals

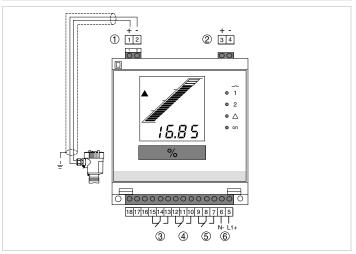
You can find detailed information on the existing approvals in the "configurator" on our homepage under <a href="www.vega.com/configurator">www.vega.com/configurator</a>.



# Operation

VEGAMET 381 is adjusted on the front via a clear LC display and a 16-step function switch as well as two keys.

#### **Electrical connection**

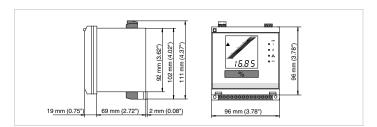


#### Connection VEGAMET 381

- 1 Meas. data input/sensor power supply with sockets for VEGACONNECT
- 2 Current output
- 3 Fail safe relay
- 4 Relay 2
- 5 Relay 1
- 6 Power supply

You can find details on the electrical connection in the operating instructions of the instruments on our homepage under <a href="https://www.vega.com/downloads">www.vega.com/downloads</a>.

## **Dimensions**



## Information

You can find further information about the VEGA product line on our homepage <a href="https://www.vega.com">www.vega.com</a>.

You can find free-of-charge operating instructions, product information, brochures, approval documents, instrument drawings, etc. in the download section under <a href="https://www.vega.com/downloads">www.vega.com/downloads</a>.

# Contact

You can find the VEGA agency serving your area on our homepage <a href="https://www.vega.com">www.vega.com</a>.