

VEGADIS 176

Digital indicating instrument without external energy for front panel mounting



Application area

The VEGADIS 176 is an external indicating and adjustment display for panel mounting without additional external energy. It is used for separate measured value indication of all standardized 4 ... 20 mA circuits.

Your benefit

- Universal use through five-digit, background lit, scalable 17 mm display
- Reliable function and wide range of application possibilities thanks to compact, rugged housing with high protection rating in the front section
- The low voltage drop of < 1 V allows use in most 4 ... 20 mA circuits

Function

VEGADIS 176 measures the current in the current loop. The measured value is displayed digitally via the display. The indication can be scaled.

Technical data

General data

Materials

– Housing front	Aluminium
– Housing	Sheet steel, galvanized
– Rear of the housing	Polycarbonate PC
– Inspection window of the indication	Polyester foil

Weight approx.	0.3 kg (0.661 lbs)
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Supply circuit

Range	4 ... 20 mA
Input current max.	200 mA
HART signal	is transmitted

Display and adjustment elements

Indication	LC display, 5-digit
Adjustment elements	3 keys

Electromechanical data

Terminals for wire cross-section up to

– solid, flexible	1.5 mm ² (AWG 16)
– Braid with end sleeve and plastic sleeve	0.5 mm ² (AWG 21)

Ambient conditions

Ambient temperature	-25 ... +60 °C (-13 ... +140 °F)
Storage and transport temperature	-40 ... +85 °C (-13 ... +185 °F)

Electrical protective measures

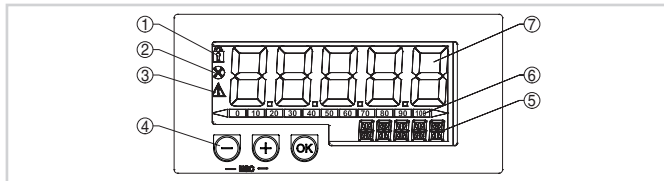
Protection rating

– between front frame and front panel	IP 65
– Terminals	IP 20

Approvals

You can find detailed information on the existing approvals in the "configurator" on our homepage at www.vega.com/configurator.

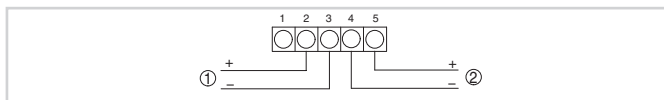
Operation



Display and adjustment elements of VEGADIS 176

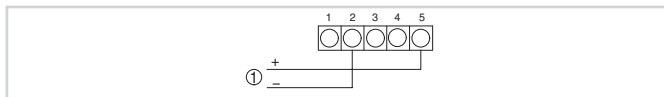
- 1 Symbol, adjustment menu locked
- 2 Symbol error
- 3 Symbol upper/lower range
- 4 Adjustment keys
- 5 14-segment display for unit/TAG
- 6 Bargraph with marks for lower and upper range
- 7 5-digit, 7-segment display for measured value

Electrical connection



Wiring plan, VEGADIS 176 for passive sensors

- 1 To the sensor
- 2 To power supply or processing system

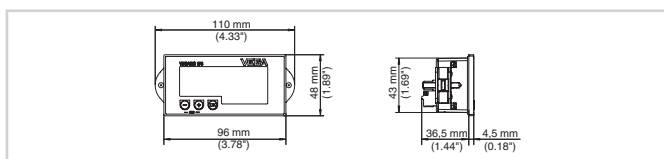


Wiring plan, VEGADIS 176 for active sensors

- 1 To the sensor

You can find details on electrical connection in the instrument operating instructions at www.vega.com/downloads.

Dimensions



Information

You can find further information on the VEGA product line on our homepage www.vega.com.

In the download section under www.vega.com/downloads you'll find free operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.

Contact

You can find the VEGA agency serving your area on our homepage www.vega.com.