LEVEL DISPLAY ATEX

IDEAL USAGE

The Level Display ATEX is used in projects in which a display of measured data is required within an ATEX-zone

APPLICATIONS

The instrument is loop-powered by the signal cable between a Display & Controller unit and most sensors with integrated transmitters

- Optionally sensors with HART-protocol can be operated
- Configuration can only be changed via a VEGA Connect

SPECIFICATIONS

Scope:	Europe
Electronics:	Two-wire 4 ... 20 mA/HART
Housing:	Aluminium
Protection:	IP66/IP68 NEMA 6P (0.2 bar)
Cable entry / Connection:	M20 x 1.5 / Cable gland brass nickle plated (ø 6 - 12 mm)
Mounting:	For wall mounting with Aluminium, but as a standard equipped with magnets
Current Range:	3.5 ... 22.5 mA
Storage and Transport Temperature:	-40 … +80 °C (-40 … +176 °F)
Ambient Temperature:	-20 … +70 °C (-4 … +158 °F)
Voltage loss:	4 ... 20 mA without lighting: max. 1.7 V with lighthing: max. 3.2 V

DISPLAY AND ADJUSTMENT MODULE

Indication:	LC display in dot matrix
Adjustment elements:	4 keys

WIRE CROSS-SECTION

Massive wire, stranded wire:	0.2 ... 2.5 mm2 (AWG 24 ... 14)
Housing for panel mounting:	0.2 ... 1.5 mm2 (AWG 24 ... 16)

BENEFITS

- Reliable and easy adjustment through clear text indication with graphic support
- Universal use through HART standard parameters

ELECTRICAL CONNECTION

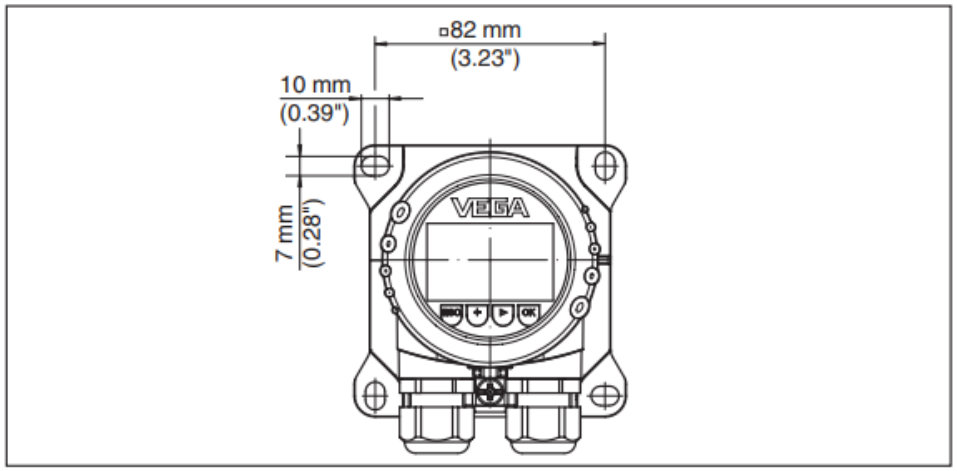
- To the sensor
- Switch for HART resistor
- Ground terminal for connection of the cable screening
- For power supply

ADJUSTMENT

- Change of the settings is protected and only possible after connecting it with a VEGA Connect
- The adjustment is possible via a PC with the adjustment software PACTware and DTM.

APPROVAL

ATEX II 2D Ex tb IIIC T70 C Db + II 1G, 2G Ex ia IIC T6 Ga, Gb



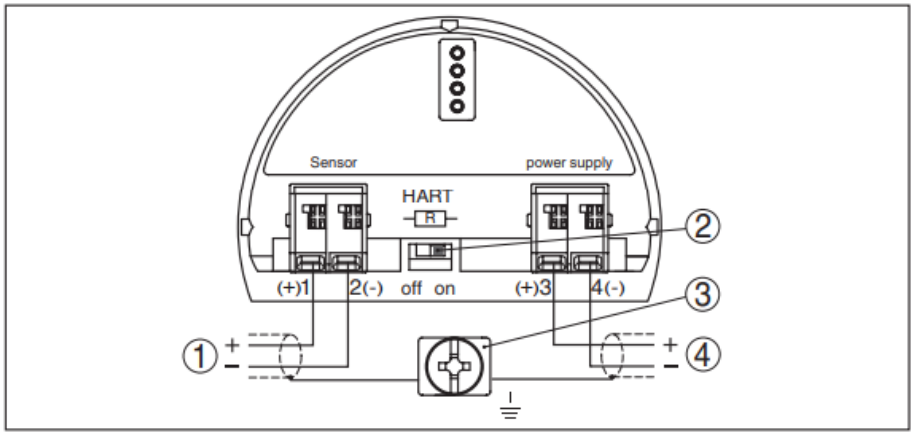


Fig. 10: Wiring plan VEGADIS 82 4 … 20 mA/HART

1 *To the sensor*
2 *Switch for HART resistor (on = activated, off = deactivated)*
3 *Terminal for connection of the cable screen*
4 *Processing system/PLC/Voltage supply*