

VEGADIS 64

4...20 mA/Explosion-Proof Display



Application Area

The VEGADIS 64 is a loop-powered, explosion-proof display. It can be placed in series on any 4...20 mA line and display the measured value. In addition to being explosion-proof, the enclosure has a NEMA 4X / IP68 rating. It provides protection from the elements, high impact, corrosion, and electrical interference. This versatility allows it to be installed safely in almost every environment.

Advantages

- 5 digit measured value upper display
- 7 digit alpha numeric character lower display
- Thru-glass button programming
- Wall or pipe mounting
- HART® transparent
- 32-point, square root, or exponential linearization
- Option of analog input rate/totalizer available

Function

VEGADIS 64 measures the current on the control loop and indicates the measured value in a digital format. The 7-digit alphanumeric display allows for any number of units. The VEGADIS 64 is scaled by simply associating a value with 4 mA (low process value) and 20 mA (high process value). The values in between are, by default, linear. However, linearization curves can be programmed for special applications such as flow or volume.

Technical Data

Input Range	4...20 mA
Accuracy	+/- 0.03% for calibrated span
Decimal Point	User selectable decimal point
Maximum Voltage Drop	3.0 VDC @ 20 mA without loop powered backlight 6.0 VDC @ 20 mA with loop powered backlight
Input Overload	Over current protection up to 2 A max.
Externally powered backlight Display	9 – 30 VDC Upper – Five digits (-9999 to 99999) 0.70" (17.8 mm) high Lower – Seven characters 0.40" (10.2 mm) high
Operating Temperature	-40 °C...+75 °C (-40 °F ... +167 °F)
Ambient, Storage and Transport Temperature	-40 °C ... +85 °C (-40 °F ... +185 °F)

Materials

Explosion-proof, die-cast aluminum with glass window, corrosion resistant epoxy coating, NEMA 4X, 7, & 9, IP68. Copper-free (0.3%). Two 3/4" NPT threaded conduit openings. One 3/4" NPT metal conduit plug with 12 mm hex key fitting installed. May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1 1/2" to 2 1/2" or DN 40 to 65 mm pipe mounting.

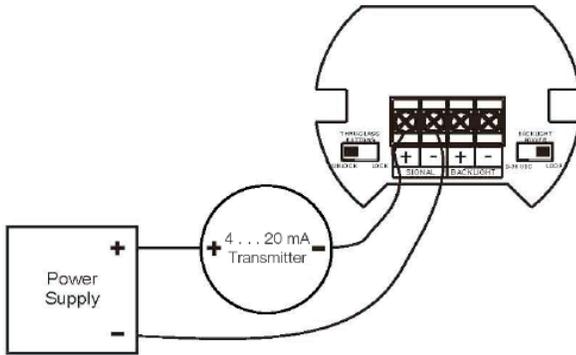
Approvals

FM: Explosion-proof for use in Class I, Division 1, Groups BCD. Class II, Division 1, Groups EFG. Class III, Division 1; T6. Class I, Zone 1 AEx d IIC T6 Gb. Zone 21, AEx tb IIIC T85 °C. Ta= -40 to 75 °C. Enclosure : Type 4X & IP66. Certificate number : 3040391

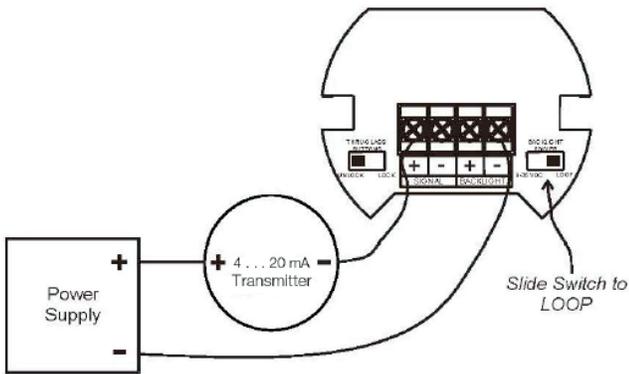
CSA: Explosion-proof for use in Class I, Division 1, Groups BCD. Class II, Division 1, Groups EFG. Class III, Division 1; T6. Class I, Zone 1 Ex d IIC T6. Ta= -40 to 75 °C. Enclosure : Type 4X & IP66. Certificate number : 11 2325749

Operation

The adjustment of the display is carried out via the four push buttons on the face of the display.

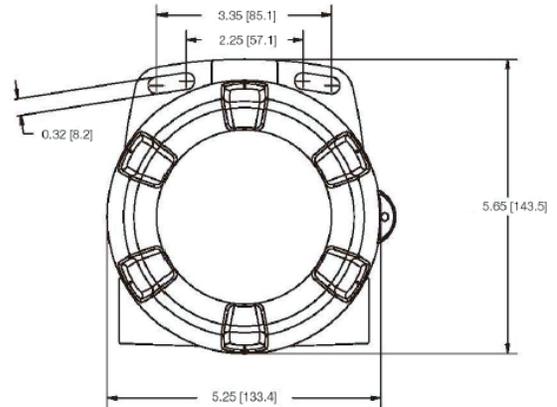


Connections without Backlight



Connections with Loop-Powered Backlight

Dimensions



Enclosure Dimensions - Front View
All Units: Inches [mm]

Information

You can find additional information about VEGA product offerings from our home page, www.vega-americas.com. Brochures, operating instructions, quick reference guides, specification sheets, and drawings are also available from the Downloads section of our home page.

Device Selection

The Downloads section of our home page, www.vega-americas.com provides application data sheets so you can select the measuring principle or product for your particular application.

Contact

Please call 1-800-543-8668, Monday through Friday, 8:00 A.M.-5:00 P.M., EST (Eastern Standard Time) if you have any questions. For emergencies after hours, call the number above and follow the voice mail instructions.