



EZ-Cal® II

Dual conduit housing allows for separation of input wiring and alarm wiring

### VRF-1000 Integral Series



VRF-1000 Cable Series

#### Features and Benefits

Opti-Sense™

Uses variable radio frequency (VRF™) technology to determine the optimal operating frequency for greatest sensitivity and stability

Wide Variety of Probe Options Unequaled application versatility

 $\mathsf{Pro}\text{-}\mathsf{Guard}^{\mathsf{TM}}$ 

Probe design ignores material build-up on probe

EZ-Cal® II

No initial manual calibration required

Explosion Proof & Stainless Steel Enclosures Available Provides more options for a wide range of applications

Captive Screws No lost screws Surpassing the sensitivity of RF technology, VRF<sup>TM</sup> provides superior level detection. The VRF series uses Variable Radio Frequency to detect the presence or absence of material in a vessel by compensating for the load of the probe, as well as the load induced by vessel environment, and automatically determining the optimal operating frequency for the greatest sensitivity and stability. At initial start-up the sensor detects the characteristics of air (no load) and calibrates to it. If installed in material, when the load is reduced (material leaves probe), the VRF senses this change and automatically recalibrates to its new condition without the need of an operator or technician.

Bindicator manufactures an array of VRF probes, each tailored for specific applications. When combined with our large selection of probes, we have a VRF sensor for virtually every application. Please consult one of our representatives or call the factory for application assistance.

### How to Order VRF-1000 Integral Series

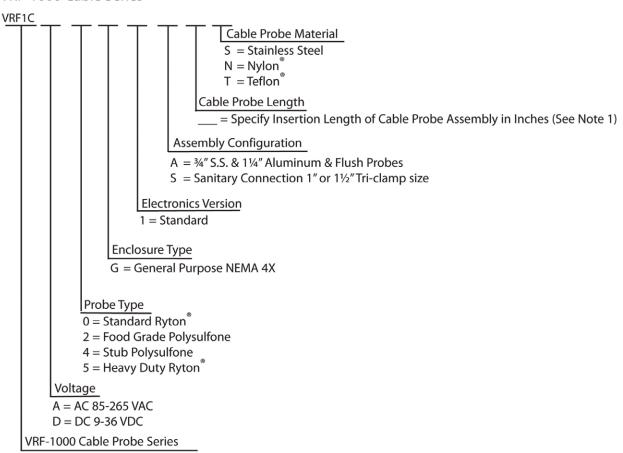


Note 1: For 3A Sanitary Certification add "3A" at end of the model code. Configuration "S" must be used and either "Type 2" Food Grade probe or "Type 4" Stub probe.

Note 2: Thickness of probe must be specified: 3/8", 1/2", 5/8" or 3/4" wall thickness.

## **VRF-1000**

How to Order VRF-1000 Cable Series



Note 1: Maximum length 45 feet (13.71mm) or 540 inches (13716mm).

The  $VRF^{\mathbb{M}}$  Cable Series should be used when tank mid or low-level monitoring is desired and the unit must be mounted from the top of the tank. The Cable Series provides the same features and reliability of the standard probe series, however, with a bendable cable, the unit can be conveniently mounted in enclosed environments.

# **Specifications**

### **Electrical Specifications for Intregral and Cable Series**

Universal Input Power: 85 VAC - 265 VAC

DC input power: 9 VDC - 36 VDC

Power: 3 watts

Output Relay: DPDT 6 amps @ 240 VAC, 6 amps @ 30 VDC, Minimum load 12V/100mA

Temperature Range: -40° F to 158° F (-40° C to 70° C)

Sensitivity: Dip-switch selectable for 1pF, 2pF, 5pF or 10pF

Time Delay: Dip-switch selectable for 1, 4, 8 or 15 seconds

Fail Safe: High-Low level failsafe dip-switch

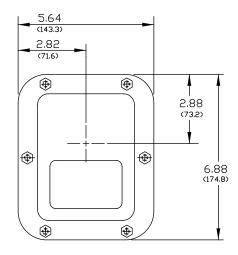
Calibration: Push-button, intelligent recalibration

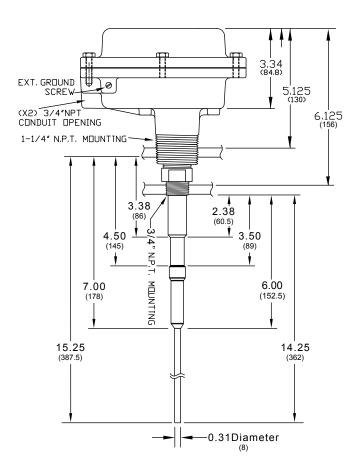
Approvals: FM and CSA listed for non-hazardous

enclosure type NEMA 4X

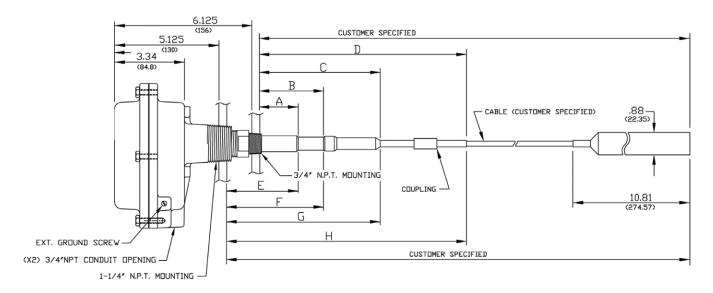
### Dimensions

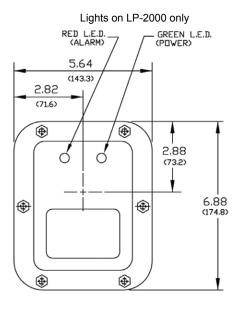
### VRF-1000 Integral Series





### Dimensions VRF-1000 Cable Series





Н	11.50	16,25	8.12
	(292.1)	(412,8)	(206.2)
G	7.00	11.75	3.63
	(178)	(298.5)	(92.2)
F	4.50	10.00	3.25
	(145)	(254)	(82.6)
E	3.38	8.50	2,75
	(86)	(216)	(69,9)
D	10.50	15.25	7.12
	(266.7)	(387.4)	(180.8)
С	6.00	10,75	2.63
	(152.5)	(273)	(66.8)
В	3.50	9.00	2.25
	(89)	(228.5)	(57.2)
А	2.38	7.50	1.75
	(60.5)	(190.5)	(44.5)
APPROX DIM'S	STD, & FOODGRADE	H.D.	STUB





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