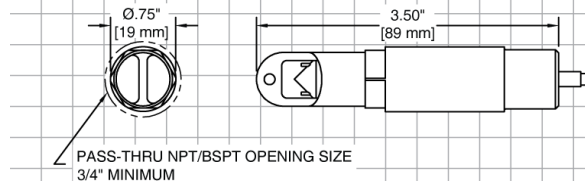


Product-Distinguishing Secondary Containment Leak Sensor with Fault Detection



Outline Specifications



Product Description

The Model ES825-400 Series is a solid state, electronic, product distinguishing leak sensor utilizing both electro-optical and conductivity technologies to detect and differentiate between hydrocarbon-based liquids and water in secondary containment applications. The sensor contains no moving parts, is unaffected by vapors, and due to its compact size is ideal for interstitial spaces. The ES825-400 Series is functionally identical to the ES825-200 Series with the exception that it is specified for connection to both the WiDAM Wireless Data Acquisition Module for TMS wireless applications and the TMS1000 Series. As with the -200 Series, the ES825-400 Series supports Pneumercator's FAULT-DETECT supervised wiring technology, which automatically detects sensor or field wiring faults.

Applications

- Dry Annular Space in Double-Wall Tanks
- Containment, Manway and Piping Sumps
- Dispenser Pan
- Turbine Enclosures

Specifications

- Technology: Electro-optic and conductivity, no moving parts
- Wetted Materials: Polysulfone, TPU, PVC (FL), FEP Teflon (XFL), Epoxy, Polypropylene, and 316SS
- Operating Temperature: -5 °F to 165 °F (-20 °C to 75 °C) (FL); -65 °F to 185 °F (-55 °C to +85 °C) (XFL)
- Cable: 22AWG, 3-Conductor, PVC-jacketed, (FEP Teflon-jacketed for XFL), 25' Length
- Pass-thru NPT/BSPT Opening Size: Minimum 3/4"
- Location Approval*: UL Class I, Div 1, Groups C and D; cUL Class I, Zone 0, Group IIB
- Compatible with: TMS1000, and TMS2000W/WiDAM

Installation

Sensor may be suspended by its cable, placed on the containment or sump floor, or thru-wall mounted via a 1/4" FNPT opening. For dry annular applications, sensor may be pulled through using fish tape attached to sensor pull ring, or pushed through with a section of 1/2" ENT (not included) attached to the back end of the sensor.

Certifications/Approvals

- UL/cUL Approved, File #E139464
- Third-Party EPA Listed*

Ordering

- ES825-400FL PVC-Jacketed Cable
- ES825-400XFL FEP Teflon-Jacketed Cable, Extended Temperature Range

* When used in conjunction with the TMS2000W series WiDAM Wireless Data Acquisition Module/TMS1000 Series