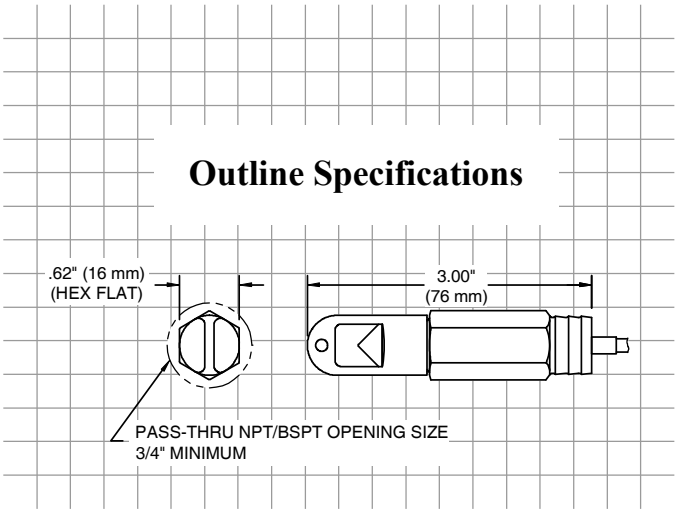
Solid-State, Electro-Optic Secondary Containment Leak Sensor with Fault Detection



Product Description

The Model ES825-100 Series is a solid-state, electronic leak sensor utilizing electro-optic technology to detect the presence of liquids 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. When connected with a LC2000 or TMS2000/3000/4000 controller, the ES825-100 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, no moving parts
- Wetted Materials: TPU, PVC (F), FEP Teflon (XF), Epoxy, and Polypropylene
- Operating Temperature: -5 ºF to 165 ºF (-20 ºC to 75 ºC) (F); -65 ºF to 185 ºF (-55 ºC to 85 ºC) (XF)
- Cable: 22 AWG, 3-Conductor, PVC-jacketed, (FEP Teflon-jacketed for XF), 25' (7.6 m) Length
- Pass-thru NPT/BSPT Opening Size: Minimum ¾"
- Location Approval*: UL Class I, Div 1, Groups C and D; cUL Class I, Zone 0, Group IIB
- Compatible With: LC2000, TMS2000, TMS3000, TMS4000

Installation

Sensor may be suspended by its cable, placed on the containment or sump floor, or thru-wall mounted via a ¼" 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 ½" ENT (not included) attached to the back end of the sensor.

Certifications/Approvals

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

Ordering

- ES825-100F PVC-Jacketed Cable
- ES825-100XF FEP Teflon-Jacketed Cable, Extended Temperature Range

*When used in conjunction with the LC2000/TMS2000/TMS3000/TMS4000 controllers

70013 - ES825-100 Series Spec Sheet – 9-29-2023
Note: Specifications subject to change without notice.

Pneumercator Company, Inc.
1785 Expressway Drive North
Hauppauge, New York 11788
Tel: (631) 293-8450
Fax: (631) 293-8533
http://www.pneumercator.com