FG-ODP
Addressable Oil Point Sensor
Product Datasheet

► Fully Addressable, Locating
► Fast Response, Re-usable
► Suitable for Explosive Area Service
► Insensitive to Water, UV resistant

Description

The FG-ODP is a Point Sensor for liquid hydrocarbon and non-conductive solvent leak detection. It is suitable to detect hydrocarbon floating on water, for example on tank application. Fast response and re-usable after leak detection, the FG-ODP Point Sensor can be installed in humid environment, as it is insensitive to water.

It is designed to be connected with TTK units FG-NET, FG-BBOX, FG-ALS8-OD, FG-ALS4-OD, FG-A-OD and FG-STAD to provide quick detection of liquid hydrocarbon leaks.

Features & Benefits

FEATURES
- The point sensor is available in 115mm sensing height.
- FG-ODP is IP 68 protection marked (for the electronic components and related connections).
- Can be cleaned.
- Intrinsically safe - can be used in classified areas: Ex ia IIB T4 Ga (IECEx "Zone 0").
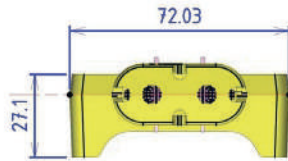
BENEFITS
- Reliable detection:
  - Sensitive to liquid hydrocarbons.
  - Insensitive to water, inorganic pollutants and external loads (pressure). UV resistant.
- Can be reused, allows reducing OPEX (operational expenditures) and testing leak detection under real conditions.
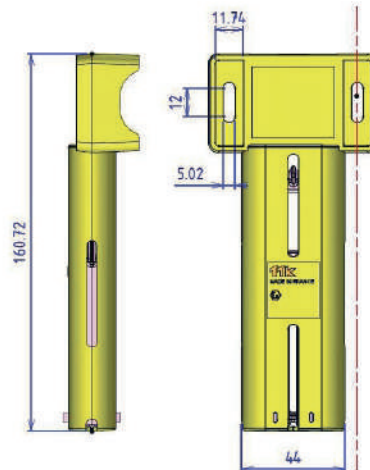- Easy to install and remove.

Connectivity & System Capacity

Connectivity	Digital units: FG-NET, FG-NET-LL, FG-ALS8-OD, FG-ALS4-OD, FG-A-OD, FG-STAD Satellite devices: FG-BBOX, FG-BBOX-LL
System Capacity	40 x FG-ODP point sensors per digital unit circuit 10 x FG-ODP point sensors per FG-DOD interfacing box 3 circuits per FG-NET, 2 circuits per FG-BBOX

Product Dimension

All dimensions are in millimetres (mm).

Technical Data

External diameter	40 mm
Tube material	Antistatic Polymer
Leader cable	OD BUS 8771
Min. Max. working temperature	-30°C ≤ Tamb ≤ +100°C
Reusable	Yes
Connector protection index classification (DIN/EN/IEC60529)	IP 68

Identification Codes

FG-ODP	Addressable Oil Point Sensor
FG-NET	Digital Touchscreen Leak Detection Panel 100-240VAC
FG-NET-LL	Digital Touchscreen Leak Detection Panel, 100-240VAC, for OD BUS 8771
FG-ALS8-OD	Analog Touchscreen Panel 8 Zones 100-240VAC - Oil Detection
FG-ALS4-OD	Analog Touchscreen Panel 4 Zones 100-240VAC - Oil Detection
FG-A-OD	Alarm Unit for Hydrocarbon Leak Detection
FG-STAD	Standalone Alarm Unit For Hydrocarbon Leak Detection Sensor
FG-BBOX	FG-NET's Satellite Device - 2 Circuits Black Box 100-240VAC
FG-BBOX-LL	FG-NET's Satellite Device - 2 Circuits Black Box 100-240VAC, for OD BUS 8771
Accessories:	
FG-FLOAT	Float assembly for FG-ODP installation
FG-DOD	OD Bus Interface
FG-DOP	Point Sensor Diversion Connection box for integration of FG-ODP on a OD BUS 8771

Certificates

Type: FG-ODP
⟨Ex⟩ II 1 G
Ex ia IIB T4 Ga
LCIE 17 ATEX 3030 X
IECEx LCIE 16.0031X

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