

Developed for tough industrial diesel applications

Electronic sensor to distinguish between diesel fuel and water. The SLUGGUARD® enables continuous detection of water in sumps of filter/water separators or in drain points of filter vessels. The highprecision switch is also suitable for compact filter housings.



A blue LED light indicates operating or alarm switching states. An alarm condition is being activated in response to a bulk quantity of free water in the line.

Application Areas

- Mining
- Refineries, Terminals & Tank Farms
- Power Generation & Gas Turbines
- Ships, Super Yachts & Marine Loading
- All Bulk Diesel transfer applications

Benefits

- Reliable medium detection
- Fast and easy integration
- Robust, durable and process-safe

Technical Data

Environmental conditions

- Operating temperature range: -40°C (-40°F) to 85°C (185°F)
- Storage temperature range: -40°C (-40°F) to 85°C (185°F)
- Ambient humidity: <98 % RH, condensing
- Protection glass: IP67, IP69K (with appropriate cable)
- Oscillations (sinusoidal): 1.6 mm p-p (2...25 Hz), 4 g (25...100 Hz)
(EN 60068-2-6) 1 octave / min.

Power supply

- Voltage supply range: 12...30 V DC
- Reverse polarity protection: Yes
- Current consumption (without load): 25 mA typ., 50 mA max.
- Power-up time: < 2 s

Features

- Repeatability: ± 1 mm
- Hysteresis: ± 1 mm
- Response time: 0.1 s
- Damping: 0.0...10.0 s (configurable)

Output Signal

• Output type	PNP NPN
• Current load	20 mA max.
• Short circuit protection	Yes
• Voltage drop:	PNP (+Vs -1.5 V) ± 0.5 V, Rload = 10 k Ω NPN(+1.5 V) ± 0.5 V, Rload = 10 k Ω
• Leakage current:	± 100 μ A max.
• Switching logic:	Normally open (NO), active low Normally closed (NC), high enabled

Standard Design

• Material:	Stainless steel
• Seal thread:	Teflon® (PTFE)
• Process connection:	G ¹ / ₂ inch