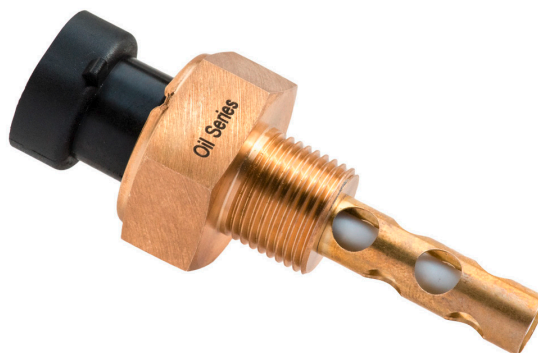




S286 Oil Level Switch – Capacitance Type

Application

The COLM (COntec Level Measurement) S286 is an active device designed to give an alarm signal if liquid falls below, or rises above, a preset level. It can be specified with a delay to eliminate false alarms due to turbulence. Containing a factory programmable microprocessor, the switch offers sink to ground or source voltage output. Its small footprint with limited intrusion into the tank means a reduced risk of damage and a wide range of customer specifiable options make it suitable for most applications. For high accuracy the S286 is ideally mounted horizontally at the point where an alarm or control signal is required. However, the switch can be mounted vertically.



Specifications

Liquid types: Mineral oils, typically used in engines or hydraulic actuators, compatible with brass, PTFE and FVMQ.

Features: Customized switches on demand

Electrical rating

Supply voltage: 9–36 Vdc

Supply current: 7 mA + source output

Max. load current: 1.0 A (sink) or 20 mA (source)

Alarm delay time: 0 to 25 s rising or falling (factory set)

Connection: 4 way Delphi Packard Metri-Pack 150 series connector

Power up delay: 0 to 10 s (factory set)

Power up state: 'In Liquid' or 'Out of Liquid' (factory set)

Output type: Sink (open collector) and/or Source (supply voltage)

Output pin: Pin D (sink) or Pin A (source)

Output state: Sink Open / Closed in liquid (factory set)
Source On / Off in liquid (factory set)

Environmental Ratings

Ingress: IP 67 (with mating connector fitted)

Max. pressure: 5.0 Bar (72 psi)

Temp. range: –40 °C to +125 °C

Weight: 70g typical (dependent on thread size)

EMC: ISO 13766:2006

Vibration (15.3 Grms): 3 orthogonal planes for 3 hours per plane. Testing performed in acc. with BSEN 60068-2-64:1993

Drop: 1 m to concrete surface

Construction

Body: Brass

Probe: PTFE

Terminals: Brass, Tin Plated

Seals: FVMQ

Connector: PA66 30% Glass Filled Nylon

Recommended Installation

Tightening Torques

1/4" NPTF	9 Nm	M14x1.5	10 Nm
3/8" NPTF	11 Nm	M18x1.5	15 Nm
1/2" NPTF	20 Nm		
1/2" BSPP	15 Nm		
1/2" BSPT	20 Nm		

Options

C/K1: Packard Metri-Pack 150 series mating connector kit to suit harness wire cross sectional area of 0.8 to 1.0 mm² and sleeve Ø 1.60 to 2.15 mm.

