

CLS46

Capacitive Level Switch Reservoir Equipment

Features & Benefits



The **CLS46 Liquid Level Switch** is an active device which is designed to give an alarm signal if fluid falls below a preset level. It will only give an output signal after a few seconds of low level to eliminate false alarms due to turbulence. The fact that the **CLS46 Series** has no moving parts and incorporates a built in delay means that it is ideal in applications where mechanically operated switches mis-trigger due to vibration and fluid turbulence.

Features Include:

- Rugged construction
- Simple to install
- Delay circuitry prevents false alarms
- Purely electronic, no moving components
- Integrated test feature

The **CLS46 Capacitive Level Switch** is designed to detect the loss of fluid below its position in the tank.

The **CLS46 Series** has no moving parts and it is therefore suitable for all applications, particularly where space and access inside a vessel is at a minimum.

The **CLS46 Series** compliments the existing range of level measurement instrumentation supplied by Parker Hannifin.

Technical Specification

Dimensions: See drawing

Electrical rating:

Supply voltage: 7-40 Vdc Supply current: 3.0mA
Max. load current: 1.0A Alarm delay time: 10.0 seconds

Connections:

V+: Positive power supply
GND: Negative power supply or GND
Output: Transistor switched to GND on alarm
Test: Ground to operate
Body: Connected to ground

Fluid types:

Mineral oils, typically used in engines or hydraulic actuators compatible with brass, PTFE and NBR.

Construction:

Body: Brass Probe: PTFE
Terminals: SAE CA210 brass, tin plated
Seals: NBR
Connector: 30% glass filled nylon 6

Environmental ratings

Max. pressure: 5.0 bar (72 PSI)
Temp. ranges: Fluid: -40°C to +130°C
Ambient: -40°C to +100°C
Storage: -50°C to +140°C

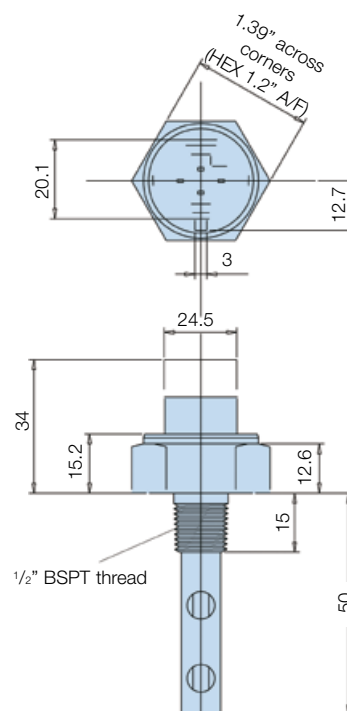
Sealing: IP67

Vibration: 6g 10-50Hz (600-3000rpm)

Shock: 50g, 6.3mS

Weight: 53g

Installation Details



Ordering Information

Standard products table

Part number	Description
CLS46	Capacitive fluid level sensor
CLS46Connector	Capacitive fluid level sensor connector

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Note 3: CLS46 does not include the connector.

