

## Tank Accessories – Fluid Level / Temperature Gauges, Float and Capacitive Level Switches

Part #: CLS46



Parker offers a wide range of reservoir equipment and tank accessories designed to ensure the performance and reliability of hydraulic systems, including dual-purpose fluid / temperature gauges, capacitive level switches, and float level switches.

[View Series Page](#)

[View Catalog\(s\)](#)

[Share / Email](#)

[Print](#)

### Technical Specifications

Type:	Capacitive Level Switch	Options:	Standard
Brand:	Parker	Technology:	Hydraulics, Filtration
Length:	50 mm	Product Type:	Hydraulic Filter Accessories
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Product Series:	Fluid Level / Temperature Gauges
Port Connection Type:	1/2"BSPT	For Fluid Type:	Hydraulic Oil
Industry:	Agriculture, Construction, Oil and Gas, Marine, Mining, Forestry	Operating Pressure:	5 bar
Seal Material:	Nitrile	Operating Temperature:	-40°C to +130 °C
Application:	Deck and Mobile Cranes, Firefighting Equipment, Forwarders, Hydraulic Presses, Marine Steering Units, Power Packs, Waste Management, Dump and Fork Lift Trucks, Excavators, Harvesters, Waste Balers, Reach Stackers, Wheeled Loaders, Drilling Equipment, Industrial Power Units	Housing Material:	Brass

[Safety Warning](#)



## Item Information

### Dual-Purpose Fluid Level / Temperature Gauges

Fluid level / temperature gauges utilize a universal fixing that is designed for front or rear tank mounting. The gauges are available in three sizes each with two-hole mounting at 76mm, 127mm and 254mm centers. After positioning the gauge, the bolts are simply tightened to provide a secure seal. Square section seals minimize the likelihood of leakage while the two-point mounting system eliminates problems with tank distortion.

Fluid level / temperature gauges feature a one-piece high-visibility lens for added security. The lens is molded in shatterproof, transparent polyamide to ensure accurate and clear oil level and temperature indication.

#### Features:

- Available with M10 or M12 bolt threads
- Thermometer scale range: 30 to +90°C (86 to +194°F)
- Working temperature: -30 to +90°C (22 to +194°F)

### Adjustable Float Level Switch – FL Series

The FL Series comprises a range of vertically-mounted, single float level switches operating on the proven Reed switch and magnet principle. FL Series float switches can be tailored by the user for a particular application, by adjusting the length of the float switch tube. It is also possible for the user to select the switching configuration by inverting the float, giving either “open on rise” or “close on rise” operation. The unit is supplied partially assembled, with detailed instructions for the user to complete assembly to the specifications of the application and to install the unit.

#### Features:

- Available in three lengths: 500mm, 1000mm, and 1500mm
- Stem with the Reed switch and float already set in position
- Supply voltage: 240 Vac maximum, 300 Vdc maximum
- Switching current: 0.5A
- Mounting: 1” BSP threaded header
- Gasket: 2mm thick sealing washer

### Capacitive Liquid Level Switch – CLS46 Series

The CLS46 capacitive liquid level switch compliments the existing range of level measurement instrumentation supplied by Parker Hannifin. The switch is an active device designed to send an alarm signal if fluid falls below a pre-set level. The level switch has no moving parts, which minimizes its footprint and makes it suitable for applications where space and access inside vessels is limited. The CLS46 Series also features a built-in delay, making it an effective alternative to mechanically operated switches, which can often mis-trigger due to vibration and /or fluid turbulence.

Suitable for use with mineral oils typically used in engines or hydraulic actuators compatible with brass, PTFE and NBR.

#### Features:

- Delay circuit prevents false alarms (10 seconds)
- All-electric design eliminates moving components
- Supply current: 3.0mA
- Supply voltage: 7 – 40 Vdc
- Integrated test feature
- Sealing: IP67
- Fluid temperature range: -40 to +130°C (-22 to +194°F)
- Ambient temperature range: -40 to +100°C (22 to +194°F)
- Weight: 53 grams

## CAD Drawings + Files



## Related Documents



Parker Sales Company UK

[psc.uk.webform@support.parker.com](mailto:psc.uk.webform@support.parker.com)  
[+44 \(0\)1926 317878](tel:+44201926317878)

+ Company Information

+ Global Operations



---

+ Help & Support

---

+ Follow Us :

---

© PARKER HANNIFIN CORP 2023

**ENGINEERING YOUR SUCCESS.**

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)

