



Switch-Tek™ Guard Capacitance Switch

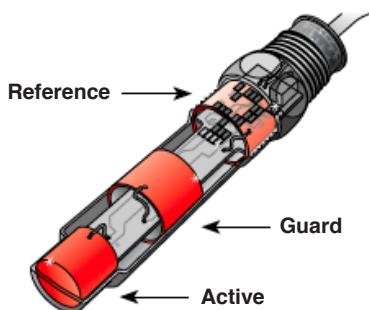
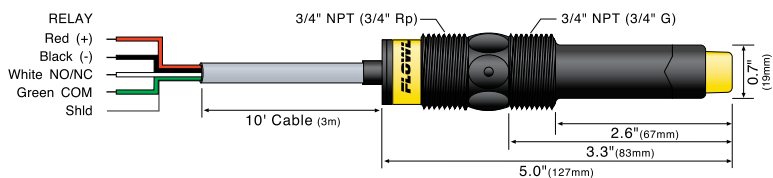
Features & Benefits

- Guard circuit optimizes sensor performance in coating type media
- Rugged PP sensor and cable rated NEMA 6 or IP68
- 60VA relay selectable NO or NC via power supply wiring polarity
- Compatible with Flowline alarm, controller and fitting accessories

Switch-Tek Description

The general purpose guard capacitance level switch is a great choice for a wide range of aqueous based conductive liquids including those with light coating, crystallizing or scaling characteristics. Media examples include copper sulfate and brine. The 60VA relay provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm. The submersible sensor is universally mounted through the wall or inside the tank.

Dimensions



Specifications

Orientation	Universal
Accuracy	± 1 mm in water
Repeatability	± 0.5 mm in water
Dielectric Range	> 20 constants
Conductive Range	> 100 micromhos
Supply Voltage	12-36 VDC
Consumption	25 mA maximum
Contact Type	(1) SPST relay
Contact Rating	60 VA
Contact Output	Selectable NO/NC
Process Temperature	F: -40° to 176° C: -40° to 80°
Pressure	150 psi (10 bar) @ 25°C., derated @ 1.667 psi (.113 bar) per °C. above 25° C.
Sensor Rating	NEMA 6X (IP68)
Sensor Material	PP
Cable Jacket Material	CC
Cable Type	4-conductor, #22 AWG (shielded)
Cable Length	Standard: 10' (3m) Special Order: 25' (7.6m) or 50' (15.2m)
Process Mount	3/4" NPT (3/4" G/Rp)
Mount. Gasket	Viton®
Classification	General purpose
CE Compliance	EN 61326 EMC EN 61010-1 safety



Tech Tip

The capacitance switch has a RF guard circuit that eliminates the coating signal path between the active and reference electrodes. For best coating performance, install the sensor horizontally through the side wall of a non-metallic tank.



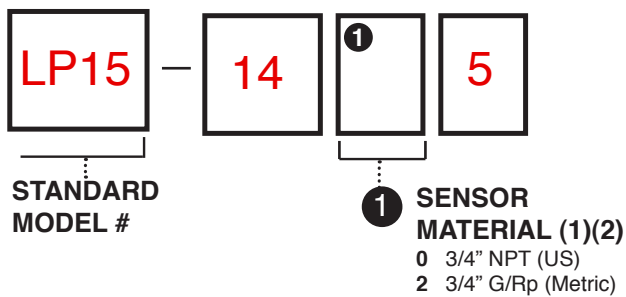
Ordering Information

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **330.468.0180**

Use the diagram below, working from left to right to construct your Flo-Corp Model Number. Simply match the category number to the corresponding box number.

Example: LP15-1405 Switch-Tek Capacitance Switch, 3/4" NPT Process Mount



Ordering Notes

- 1) The Metric sensor is offered with straight G threads on the sensing side and conical Rp threads on the cable side of the wrench flat.
- 2) To special order a 25' (7.6m) or 50' (15.2 m) sensor cable, place the cable length at the end of the part number (ie: LP15-1405-25').

Specifications are subject to change without notice.