

## Switch-Tek™ SuperGuard Capacitance Level Switch



### Specifications

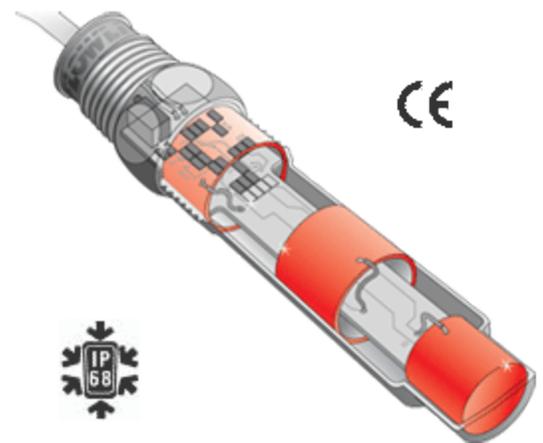
Orientation:	Universal
Repeatability:	± 0.5 mm in water
Supply voltage:	12-36 VDC
Contact type:	(1) SPST relay
Contact rating:	60 VA
Process temp:	F: -40° to 176° C: -40° to 80°
Pressure:	150 psi (10 bar)
Cable length:	10' (3m)
Sensor rating:	NEMA 6 (IP68)
Process mount:	3/4" NPT (3/4" G)
Sensor material:	PP
Classification:	General purpose

### Application

The general purpose guard capacitance level switch is a great choice for a wide range of aqueous based conductive liquids with light coating, crystallizing or scaling characteristics. Media examples include copper sulfate and brine. The 1A 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.

### Features

- Guard circuit optimizes sensor performance in coating type media
- Rugged PP sensor and cable rated NEMA 6 or IP68
- 1A relay selectable NO or NC via power supply wiring polarity
- Compatible with Flowline alarm, controller and fitting accessories



### 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. Its coating level made simple



### Order

LP15-14  5

**Process mount (1) (2)**

- 0 3/4" NPT (US)
- 2 3/4" G / Rp (Metric)

**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').

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