

Switch-Tek™ Non-Intrusive Capacitance Level Switch



Specifications

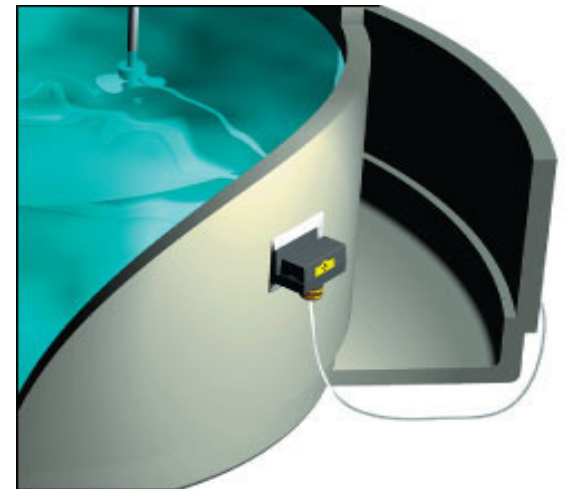
Orientation:	Universal
Tank mat. comp.:	Non-metallic
Repeatability:	±0.5 mm in water
Supply voltage:	12-36 VDC
Contact type:	(1) SPST relay
Contact rating:	60 VA
Process temp:	F: -40° to 176° C: -40° to 80°
Cable length:	10' (3m)
Enclosure rating:	NEMA 4X (IP65)
Enclosure material:	PSO
Conduit entrance:	1/2" NPT
Process mount:	Bracket
Classification:	General purpose

Application

The general purpose non-intrusive capacitance level switch is a great choice for highly corrosive or ultrapure, aqueous based liquids with non-coating and/or scaling characteristics. Media examples include deionized water and hydrochloric acid. The 1A relay provides a reliable switch interface with remote devices such as a PLC, SCADA or alarm. The sensor is bracket mounted on the exterior wall of non-metallic tanks.

Features

- Non-intrusive level detection through plastic or fiberglass tank walls with a maximum thickness of 1"
- PE, PVC, PP or PVDF mounting bracket designed for adhesive and plastic tack-weld installation
- Polysulfone enclosure rated IP65 with 1/2" NPT conduit connector



Tech Tip

With two easy calibration

adjustments, the non-intrusive switch set point is customized to your specific tank wall thickness and application media. Its non-intrusive level made simple.



Order

LP50-005

Bracket material (1) (2) (3)

- 1 PP
- 5 PVDF
- 6 PE

Ordering Notes

- 1) Select the bracket that matches the tank wall material in your application.
- 2) Each sensor comes with one user specified bracket. Additional brackets may be ordered separately for multiple installation points:
LP95-1001: PP bracket
LP95-5001: PVDF bracket
LP95-6001: PE bracket
- 3) 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: LP50-6005-25').

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