



Series
TLI

Tank Level Indicator

Double Wall Construction for Ultra-Pure or Corrosive Liquids



The Series TLI Tank Level Indicator provides a visual indication of the height of liquid contained in a tank. The 1/2-foot unit can also be used as a sight flow tube when mounting in a pipeline. The TLI series utilizes a double wall construction to indicate the level of corrosive or ultra-pure liquids and is available with PVC, Polypropylene, or PTFE fittings and 1/2" or 3/4" NPT threads. Fluoroelastomer seals are standard. All units are hydrostatically tested to 400 psi (27.6 bar).

SPECIFICATIONS

Service: Compatible gases and liquids.
Wetted Materials: Tube: Borosilicate glass. End Connections: PVC, Polypropylene, or PTFE. O-ring: Fluoroelastomer.
Temperature Limit: PVC end connections: 140°F (60°C), Polypropylene end connections: 185°F (85°C), Teflon® end connections: 210°F (100°C).
Pressure Limit: 100 psig (6.9 bar) at 180°F (82°C).
Connections: 1/2" female NPT standard. Change 1 in model number to 2 for 3/4".
Enclosure: Exterior acrylic shield tube to protect glass tube.

MODELS

Model Number	Glass Tube Length
TLI-0-1	6 in. (152.4 mm)
TLI-2-1	24 in. (609.6 mm)
TLI-3-1	36 in. (91.4 cm)
TLI-4-1	48 in. (121.9 cm)

OPTIONS

- AT Aluminum Tag
- P Polypropylene Fittings
- T PTFE Fittings

Note: For 3/4" NPT fittings, change the last digit of the model number to 2.

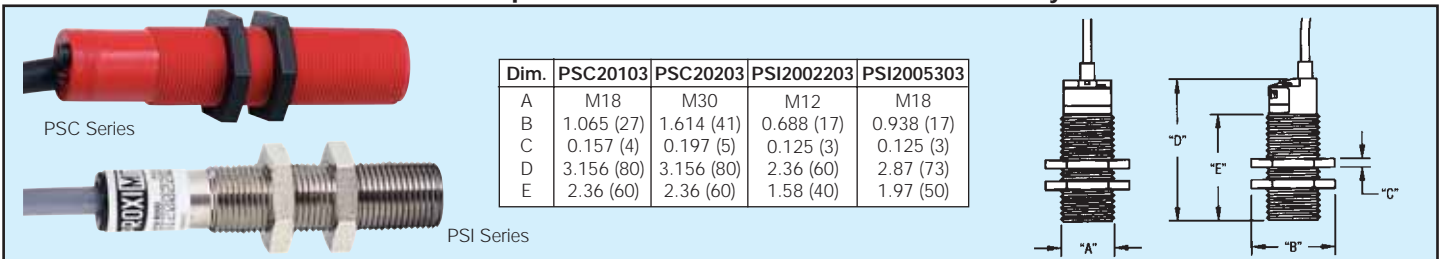
Level



Series
PS

Proximity Sensors

Capacitive or Inductive 3-Wire DC, Threaded Body



The Series PS Proximity Sensors are noninvasive sensors ideal for level detection, position indicating and counting applications. Capacitive type sensors detect electrically conducting and nonconducting materials, liquids, solids, or powders and include a sensitivity adjustment to differentiate between various materials. Inductive sensors detect ferrous or nonferrous metals only. A bright LED indicates the state of the output switch. Sensors feature short circuit, reverse polarity, and transient protection. Small size and threaded body make installation easy. Inductive sensors are embeddable (can be mounted flush). Capacitive sensors are environmentally protected to IP65 and Inductive sensors are protected to IP68. Units include two fixing, screwdriver, and operating manual.

MODELS

Model Number	Type	Body Size	Switching Frequency	Detecting Dist. in (mm)
PSC20103	Cap.	M18	400 Hz	.04-3 (1-10)
PSC20203	Cap.	M30	250 Hz	.08-79 (2-20)
PSC30203*	Cap.	M30	250 Hz	.08-79 (2-20)
PSI2002203	Ind.	M12	800 Hz	.08 (2)
PSI2005303	Ind.	M18	500 Hz	.19 (5)

*NPN Transistor

SPECIFICATIONS

Wetted Materials: Glass reinforced plastic (PSC), Stainless Steel (Model PSI2002203), Nickel-plated Brass (Model PSI2005303).
Temperature Limits: -22 to 212°F (-30 to 100°C) capacitive, -13 to 158°F (-25 to 70°C) inductive.
Enclosure Rating: PSC, IP65; PSI, IP68.
Repeatability: ±0.05% (Model PSC20103), ±0.1% (Model PSC20203 ±0.01% (PSI Models)).
Power Requirements: 8 to 30 VDC.
Switch Type: Normally open NPN transistor, sinking.
Electrical Rating: 250 mA (PSC), 200 mA (PSI).
Minimum Load Current: 8 mA (PSC), <25 mA (PSI).
Leakage (Off-State) Current: <3 mA (PSC), <0.08 mA (PSI).
Voltage Drop: <3.5V @ 250 mA (PSC), <2.5V @ 200 mA (PSI).
Ripple: 10%.
Electrical Connection: 9.8 ft (3 m) cable.
Deadband: 20% of range (PSC), 15% of range (PSI).
Initializing Time Delay: <10 msec.
Agency Approvals: CE.