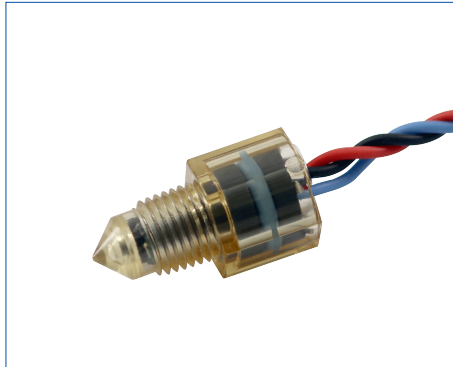


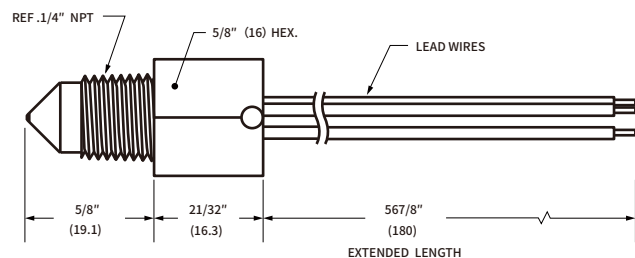
General Specification

Optical Liquid Level Sensor

NO: PTS-9002



Dimensions (mm)



Product characteristics

- **Advanced infrared optical sensing technology**
Accurate, contactless detection with consistent switching performance.
- **Fast response time with high repeatability**
Supports real-time door status monitoring and safety control logic.
- **High durability, maintenance-free operation**
No mechanical components subject to wear, ensuring extended service life.
- **Compact and integration-friendly design**
Optimized for space-constrained equipment architectures.
- **Stable performance under frequent cycling**
Suitable for high-usage office automation and industrial printing environments.
- **Low power consumption and efficient signal output**
Designed for modern embedded control systems.
- **Custom engineering support**
Configurable sensing distance, housing design, connectors, and cable assemblies available upon request.

Applications

- **Sewage and Wastewater Treatment Systems**
Oil layer detection, phase interface monitoring, and overflow prevention in separation tanks and collection systems. Suitable for environments where conductive or mechanical sensors are not practical.
- **Beverage and Fluid Dispensing Equipment**
Liquid presence verification, flow confirmation, and dry-run protection within enclosed fluid modules and dispensing assemblies.
- **Washing and Laundry Systems**
Drain status confirmation and empty-tank detection to ensure complete water evacuation prior to high-speed spin cycles or subsequent operation stages.
- **Industrial Fluid Control Systems**
Point-level detection in reservoirs, pipelines, and processing equipment requiring compact, solid-state sensing solutions.

Product performance characteristics

Characteristics	Parameter	Rating
Electrical Characteristics	Power Requirement	DC Input: 12V $\pm$ 10%
	Control Output	At 30V DC Open drain may sink 40mA max
	Working Current	No load: 10mA max
Mechanical Properties	Operating Pressure	0 to 250 psi, (0 to 17 bar) Max.
	Mechanical	Threaded units: 1/4 NPT

Please contact sales@xintec.hk for latest product details