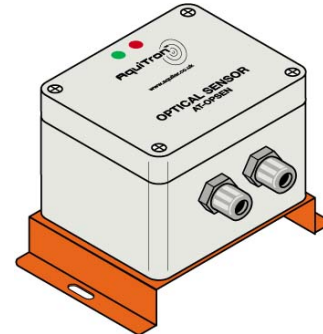


Simple Operating Principle

The sensor AT-OPSEN sensor has the capability of been a sensor for leak detection or level sensing. With no moving parts, these small units are ideal for a variety of point level sensing applications — especially where reliability is required.

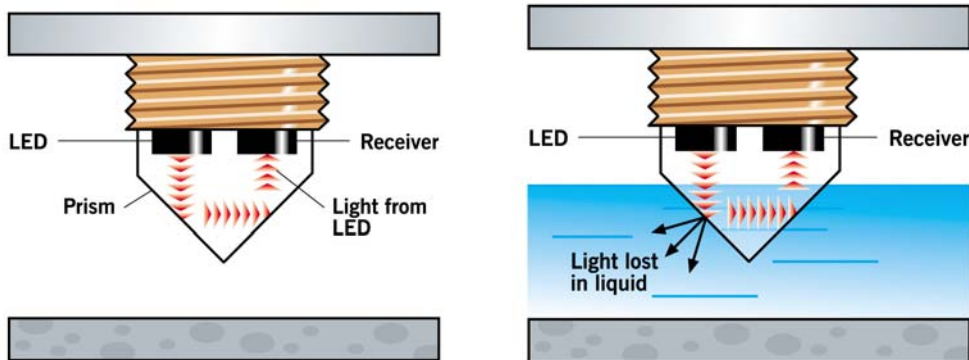
Level switches are suitable for high, low or intermediate level detection in practically any tank, large or small. Installation is simple and quick through the tank top, bottom or side. Solid state-switching ensures dependability over long service life. The sensor offers $\pm 1\text{mm}$ repeatability and broad liquid compatibility. They are not recommended for use in any liquid that crystallizes or leaves a solid residue.



Floor, trench, sump or pit mounted AT-OPSEN

The electro-optic sensor contains an infrared LED and a light receiver. Light from the LED is directed into a prism which forms the tip of the sensor. With no liquid present, light from the LED is reflected within the prism to the receiver. When rising liquid immerses the prism, the light is refracted out into the liquid, leaving little or no light to reach the receiver. Sensing this change, the receiver actuates electronic switching within the AT-OPSEN to operate a red LED for visual alarm and operates a relay which initiates an alarm on the TraceTek or AquiTron™ alarm panel.

This diagram shows the liquid contacting the sensor when the sensor is placed in a remote housing for level control, its operation is the same when housed in the casing featured above



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