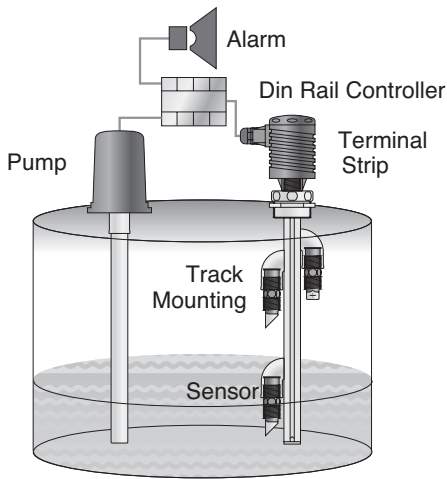


OPTIC SENSORS

LVF-200-R
Starts at
\$140



- ✓ Pulsed, Infrared Light Excitation (Leak Detection Solution)
- ✓ SPST Relay Standard
- ✓ Impervious to Most Ambient Light Conditions
- ✓ Mounted any Orientation, Wet or Dry
- ✓ NEMA 6 (IP68) Submersible Sensor and Cable



The LVF-200-R Series optic sensor creates a pulsed beam of infrared light which is reflected on the oblique flat sensor tip. If the tip is dry, the light beam is recognized and if it is wet, the beam reflects back into the liquid. The optic sensor is factory calibrated for use with clear or translucent liquids. The shape and optic characteristics of the oblique flat optical surface provides a high level of optical efficiency, including resistance to ambient light and process condensation. The sensor offers very broad liquid compatibility, it is not recommended for use with coating or highly specular liquids. Ideal for leak detection.



SPECIFICATIONS

Accuracy: ± 1 mm (0.04") in water
Repeatability: ± 0.5 mm (0.02") in water
Operating Principle: Pulsed, infrared light beam
Voltage Input: 12 to 36 Vdc @ 24 mA
Current Output: 25 mA max
Relay:
 GP: 120 Vac/Vdc @ 1 A
 CE: 60 Vac/Vdc @ 1 A
Switch Mode: Selectable, NO or NC states
Wetted Materials: Polypropylene (PP) Perfluoroalkoxy (PFA)

Loop Resistance: 600 Ω @ 24 Vdc
Max Pressure Rating (PP): 150 psi @ 25°C (76°F) derated @ 1.667 psi per °C above 25°C (76°F)
Max Temperature Rating: -40 to 80°C (-40 to 176°F)
Enclosure Rating: NEMA 6 (IP68) submersible sensor and cable
Cable Length: 3 m (10')
Max Cable Length: 305 m (1000')
Dimensions: 7.6 or 11.4 x 2.7 cm (3.0 or 4.5 x 1.05") ($\frac{3}{4}$ NPT)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Description	Mat'l	Size
LVF-210-R	\$140	Optic sensor	PP	3 x $\frac{3}{4}$ NPT
LVF-211-R	240	Optic sensor	PFA	3 x $\frac{3}{4}$ NPT
LVF-212-R	150	Optic sensor	PP	4.5 x $\frac{3}{4}$ NPT
LVF-213-R	250	Optic sensor	PFA	4.5 x $\frac{3}{4}$ NPT

Two extended cable lengths available for 7.62 m (25') add "-25" or for 15.24 m (50') add "-50." Add \$1.00 per foot for PP. Add \$2.00 per foot for PFA. Comes with complete operator's manual.

Ordering Examples: LVF-210-R, PP optic sensor, 3 x $\frac{3}{4}$ NPT, \$140. LVF-213-R, PFA optic sensor, 4.5 x $\frac{3}{4}$ NPT, \$250.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters