Tuning Fork Sensor

LTU-101A-R shown larger than actual size.

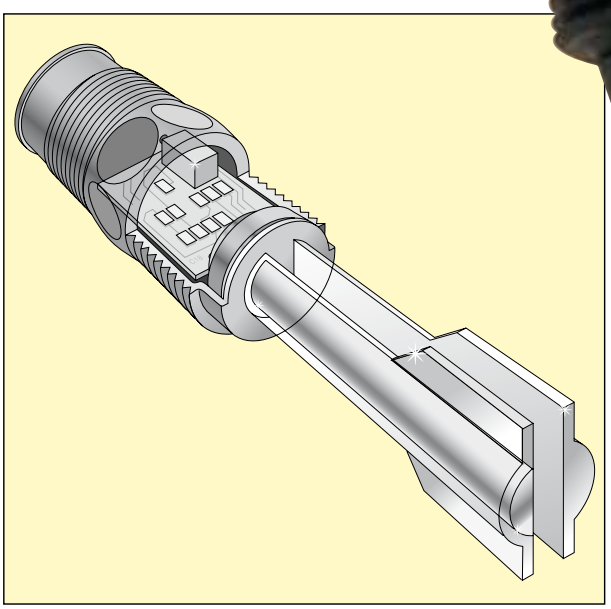
LTU-101A-R

2 YEAR WARRANTY

- **All Plastic Design Works in a Wide Variety of Applications**
- **Not Bothered by Foam or Bubbles**
- **SPST Relay Standard**
- **Excellent for Use in Food, Pharmaceutical, and Wastewater Applications**
- **NEMA 6 (IP68) Submersible Sensor and Cable**
- **Works with Liquids and Slurries**

Specifications

Accuracy: ±1 mm (0.04") in water
Repeatability: ±0.5 mm (0.02") in water
Frequency: 400 Hz
Supply Voltage: 12 to 28 Vdc
Consumption: 25 mA maximum
Relay: 60 VA, 1 A maximum
Switch Output: SPST
Selectable NO or NC states
Temperature Range:
-40 to 80°C (-40 to 176°F)
Pressure Range: 150 psi (10 bar) @ 25°C (76°F); derated @ 1.667 psi (0.113 bar) per °C above 25°C (76°F)
Probe Material: Ryton®
Probe Rating: NEMA 6 (IP68)
Mounting Threads: ¾ NPT
Cable Type: 3 m (10'), 5-wire, shield and PP jacket
Max. Cable Run: 305 m (1000')
Dimensions: 114 x 27 mm (4.5 x 1.05"), ¾ NPT or ¾ G



The LTU-101A-R consists of a sensor with dual tuning forks which are vibrated at a high frequency. As the tuning fork is progressively covered by a liquid, a shift in frequency occurs which activates the relay output. The tuning fork sensor is often used in conditions where there may be frequent composition changes in the liquid. Factory calibration ensures accuracy over a wide range of liquids, including lubricating oils and hydraulic fluids.

To Order

Model No.	Description
LTU-101A-R	Tuning fork sensor, Ryton® ¾ NPT
LTU-101A-G-R	Tuning fork sensor, Ryton® ¾ G

Comes complete with operator's manual, CE compliance.