TUNING FORK SENSORS

LTU-101-R

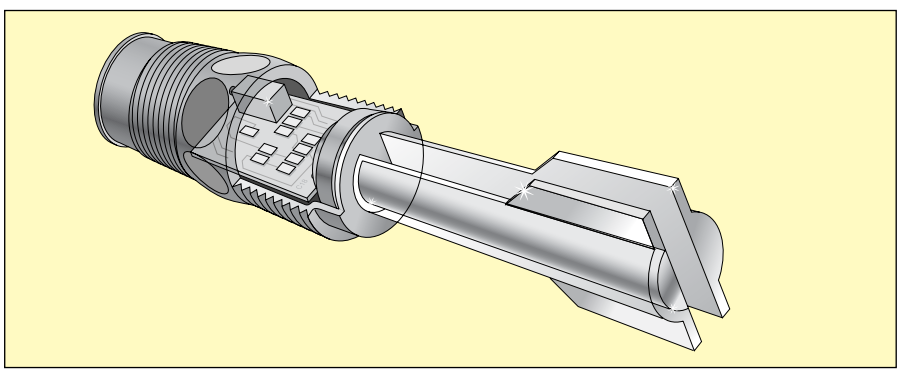
2 YEAR WARRANTY CE

The LTU-100 Series 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.

- **All-Plastic Design Works in Wide Variety of Applications**
- **Not Bothered by Foam or Bubbles**
- **SPST Relay Std**
- **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 36 Vdc
Consumption: 25 mA maximum.
Relay:
GP: 120 Vac/Vdc @ 1A
CE: 60 Vac/Vdc @ 1A
Switch Output:
Selectable NO or NC states
Temperature Range:
-40 to 90°C (-40 to 194°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: PP/PPS (40% glass)
Probe Rating: NEMA 6 (IP68)
Mounting Threads: ¾ NPT
Cable Type: 3 m (10'), 3-wire, 22 gauge with ground, shield and PP jacket
Max. Cable Run: 305 m (1000')
Dimensions: 114.3 x 26.7 mm (4.5 x 1.05"), ¾ NPT



LTU-101-R shown larger than actual size.

To Order	
Model No.	**Description**
LTU-101-R	Tuning fork sensor, polypropylene/Ryton

Comes with complete operator's manual, CE compliance.
*Two extended cable lengths available for 7.6 m (25'), add **"-25"**, or for 15.2 m (50'), add **"-50."** for additional cost per foot.*
***Ordering Example: LTU-101-R**, polypropylene tuning fork sensor.*