

# Tuning Fork Sensors

LTU-100 Series

£221

Basic Unit

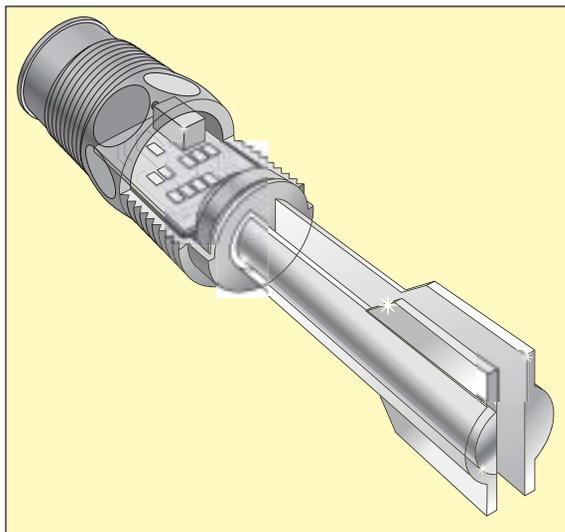


- ✓ All-Plastic Design Works in Wide Variety of Applications
- ✓ Not Bothered by Foam or Bubbles
- ✓ FET Switch or 4 or 20 mA Std
- ✓ SPST Relay Opt
- ✓ Excellent for Use in Food, Pharmaceutical, and Wastewater Applications
- ✓ IP67 Submersible Sensor and Cable
- ✓ Works with Liquids and Slurries

## SPECIFICATIONS

**Accuracy:** ±1mm in water  
**Repeatability:** ±.5 mm in water  
**Frequency:** 400 Hz.  
**Supply Voltage:** 12 to 36 Vdc  
**Consumption:** Dry: 8 mA; Wet: 19 mA  
**Optional Relay:** 60 Vac/Vdc @ 1A  
**FET Switch Voltage:** 36 Vdc max.  
**FET Switch Current:** 100 mA max.  
**Switch Output:** Selectable NO or NC states  
**Temperature Range:** -40 to 90°C  
**Pressure Range:** 10 bar @ 25°C; derated @ 115 mbar per °C above 25°C  
**Probe Material:** PP/Ryton (40% glass)  
**Probe Rating:** IP68  
**Mounting Threads:** ¼" BSPT  
**Cable Type:** 2.4m, 3-wire, 22 gauge with ground, shield and PP jacket  
**Max. Cable Run:** 305 m  
**Dimensions:** 114.3 x 26.7 mm, ¾" BSPT

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 FET switch or 4 or 20 mA or 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.



MOST POPULAR MODELS HIGHLIGHTED!

### To Order (Specify Model No.)

Model No.	Price	Description
LTU-101	£221	Tuning fork sensor, polypropylene/Ryton

*Comes with complete operator's manual.*  
 All sensors have N-channel FET and 4 or 20 mA outputs standard. For P-channel FET and 4 or 20 mA output, add suffix "-P" to model number, no additional charge.  
 For SPST mechanical relay output, add suffix "-R" to part number and add £16.50 to the price.  
**Ordering Example:** LTU-101-P, polypropylene tuning fork sensor with P-channel FET switch, £221.



Shown Larger Than Actual Size