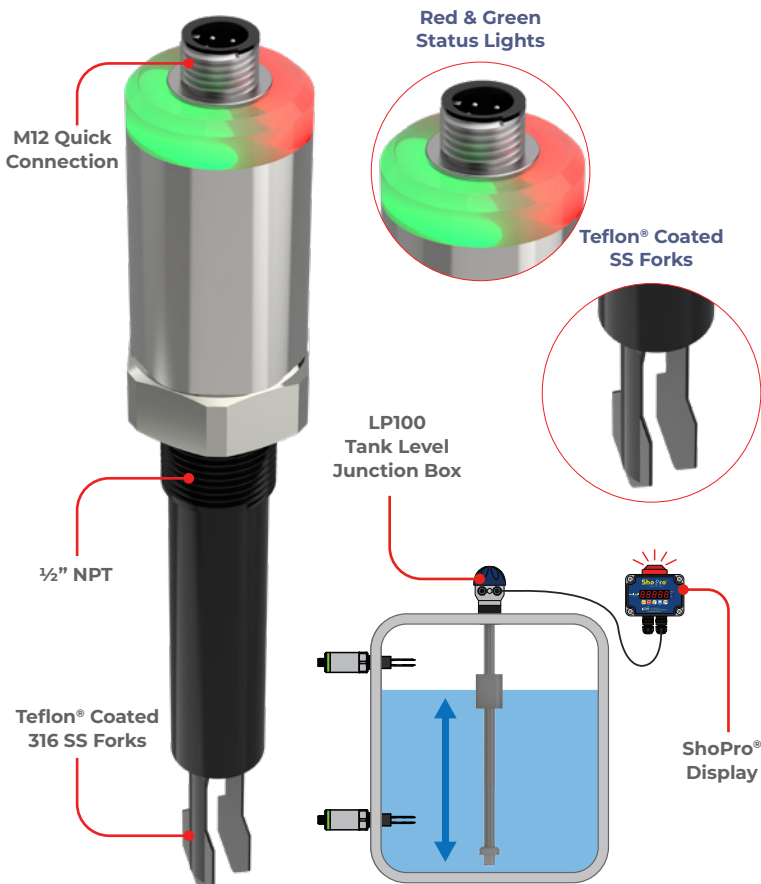


# LevelPro® — TFS

## Tuning Fork – Vibration Level Switch



### Features

- ✓ Excellent Chemical Resistance
- ✓ Corrosion Resistant Teflon® Coated SS
- ✓ Suitable for Dense Foam | Viscous Liquids
- ✓ Excellent Choice for Coating Liquids
- ✓ Loop Powered
- ✓ 1/2" NPT Connection
- ✓ NEMA 4X | IP67 Housing

**The LevelPro® TFS Series compact level switches combine affordability, reliability, and simple installation.**

The TFS Series is a vibrating type level switch is used extensively in liquid and slurry applications where precise and reliable point level detection is crucial. Some examples include: overflow, high level, low level, corrosive applications, and pump protection.

The TFS Series is designed for industrial use in all areas of process technology and can be used with liquids and slurries. With a tuning fork insertion length of only 38 mm the TFS switch can be mounted in small pipes and applications with confined space. The TFS Series can be used in difficult conditions including turbulence, air bubbles, and foam.

### Specifications

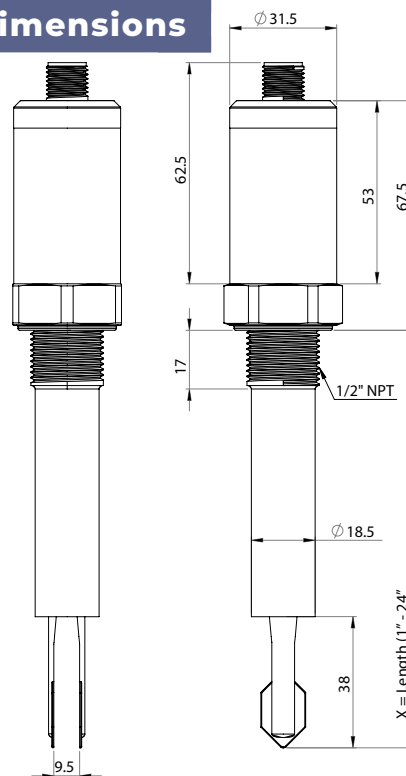
Power Supply	24VDC
Output	SPST (Std)
Max Temp.	464° F   240° C
Working Pressure	< 2MPa
Medium Density	> 0.6g/cm3
Operation Point	Vertically inserted approx 1"(25mm)
Oscillation Starting Time	About 3mm
Response Time	About 1 seconds
Relay Output	Rated to 30VDC   3A
Power Consumption	< 1W
Process Connection	1/2" NPT
Electrical Connector	M12
Material to Contact Liquid	PTFE Teflon® Coated 316 SS

### Model Selection

TFS — Tuning Fork Level Switch		
Part Number	Material	Output
TFS-S-PT-X	PTFE Teflon®	SPST (Std)
TFS-N-PT-X	PTFE Teflon®	NPN
TFS-P-PT-X	PTFE Teflon®	PNP
TFS-S-SS-X	316SS	SPST (Std)
TFS-N-SS-X	316SS	NPN
TFS-P-SS-X	316SS	PNP

X = Length (1" increments, 1" - 24")

### Dimensions



### M12 Wiring

- Pin 1**  
(+) brown
- Pin 2**  
(-) Blue
- Pin 3**  
(NO Relay) White
- Pin 4**  
(COM) Black

