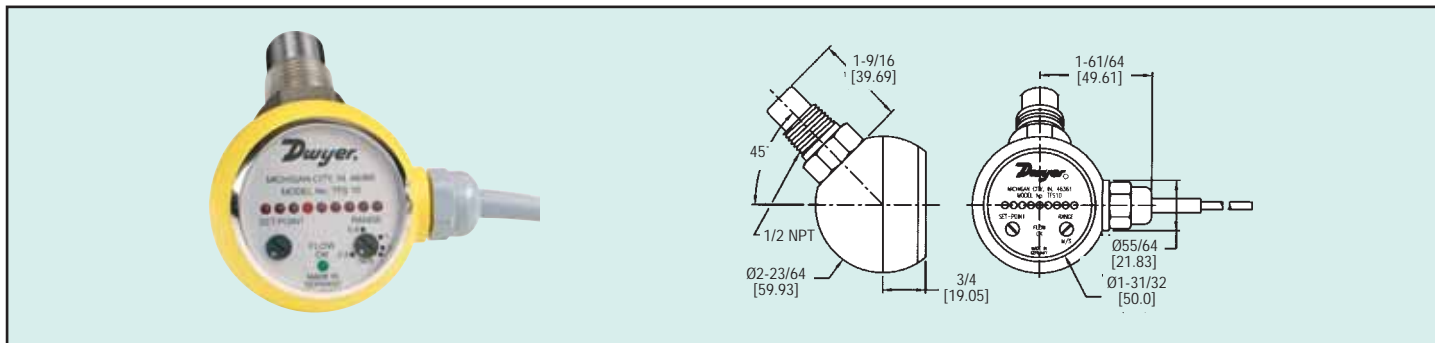




Series  
TFS

# Thermal Flow Switch

## Adjustable Setpoint, LED Flow Indication, NO or NC Output



The Series TFS Flow Switch with adjustable setpoint offers precise flow monitoring of water-based fluids. Units have five selectable flow range settings from 0.2 m/s (0.66 ft/s) to 3.0 m/s (9.8 ft/s). Flow is indicated as a percentage of the flow range on a string of LEDs. The setpoint, adjustable from 15% to 90% of the flow range setting, is displayed as a flashing LED.

Model Number	Switching Output
TFS10	PNP, normally open
TFS11	PNP, normally closed

### SPECIFICATIONS

**Service:** Water-based fluids.

**Wetted Material:** 303 SS.

**Measuring Ranges:** 0.2 m/s (0.66 ft/s), 0.4 m/s (1.3 ft/s), 1.0 m/s (3.3 ft/s), 2.0 m/s (6.6 ft/s), and 3.0 m/s (9.8 ft/s).

**Repeatability:** Less than 2.0%.

**Linearity:** Less than 5%.

**Hysteresis:** 10% (approximate).

**Temperature Limits:** -4 to 176°F (-20 to 80°C).

**Pressure Limits:** 435 psi (30.0 bar).

**Housing Material:** Glass fiber reinforced PBTP (Ultradur), meets IP65.

**Setpoint Range:** 15% to 90% of range setting.

**Response Time:** 2 to 10 seconds (relative to range setting).

**Supply Voltage:** 18 to 30 VDC, including residual ripple.

**Switching Current:** 400 mA maximum.

**Power Consumption:** 1 watt (approximate).

**Electrical Connection:** Plug-in 78' (198 cm) oilflex cable (included).

**Process Connection:** 1/2"-14 male NPT.

**Weight:** 0.66 lb (301 g).

**Agency Approvals:** CE.