

## Smart Trak™ Multi-Point Level Switch Fitting

### Application

The adjustable multi-point fitting enables users to install and adjust up to four Flowline level switches to any depth along the entire length of track. The fitting is typically applied in atmospheric day tanks, process vessels and waste sumps. Select the appropriate track length based upon your applied tank height and add one sensor car kit for each sensor to be installed on the track.

### Features

Adjustable level sensor cars make setup or changes fast and simple  
Standard track lengths are easily cut to applied length in the field  
Rugged PP construction for use with challenging corrosive liquids



Typical Assembly Shown

### Specifications

#### Fitting

Track lengths: US: 2', 4', 6', 8', 10'  
Metric: 1m, 2m, 3m

Adjustability: Entire track length

Mixing velocity: <1.5 fps (0.45 mps)

Process temp: F: -40° to 176°  
C: -40° to 80°

Pressure: Atmospheric

Fitting material: PP (20% glass filled)

Process mount: 2" NPT (2" G)

#### Side mount

Bracket material: PP

Female threads: 1001: 2" NPT

1051: 2" G

Tank insulation: Bolt or plastic weld



LM10-1\_1  
Track Kit  
Shown



LM30-10\_1  
Sensor Car  
Shown



LM50-10\_1  
Bracket  
Shown

### Tech Tip

The track kits are offered in standard lengths with a 2" process mount and 3/4" nipple for enclosure or conduit mount. One to four sensor cables are sealed via the internal neoprene and santoprene compression gaskets.

At the heart of the fitting is the adjustable level sensor car. Each kit includes a 3/4" car with track mounting hardware. Order one car kit for each level sensor.

For simple installation on open tanks, order the side mount bracket. The

PP bracket is typically bolted to the side wall of the tank.

## Order

LM10-1   1

**Track length (1) (2) (3)**

**US**

2 24" (61 cm)  
4 48" (122 cm)  
6 72" (183 cm)  
8 96" (244 cm)  
0 120" (305 cm)

**Metric**

1 100 cm (39.4")  
3 200 cm (78.7")  
7 300 cm (118.1")

**Process mount (4) (5)**

0 2" NPT (US)  
6 2" G (Metric)

**Ordering Notes**

- 1) Select the appropriate US or Metric track length based upon the maximum sensor depth and/or application tank height. Standard track lengths may be cut to custom lengths in the field.
- 2) Each track is provided with one 2" plug fitting less the required sensor cars.
- 3) Order one LM30-1001 (3/4" NPT) or LM30-1051 (3/4" Rp) sensor car kit for each level sensor to be installed on SmartTrak.
- 4) For integral wiring and/or conduit termination, order one LC05-1001 (NPT) or LC05-1051 (Rp) compact junction box.
- 5) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.

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