

Multi-Point Adjustable Fitting

Features

- ✓ Adjustable level sensor cars make process changes fast and simple
- ✓ Standard track lengths may be easily cut to length in the field
- ✓ Rugged PP construction for use in challenging corrosive liquids

Description

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 small waste sumps. Select the appropriate track length based upon your application tank height and add one sensor car kit for each sensor to be installed on the track. Order the compact junction box for sensor power, relay and conduit termination. The rugged NEMA 4X enclosure is made of fire retardant PP with a swivel base for easy conduit alignment.



Specifications

Fitting	
Track lengths:	US: 2', 4', 6', 8', 10' Metric: 1m, 2m, 3m
Adjustability:	Entire track length
Mixing velocity:	< 1.5 fps (.45 mps)
Process temp.:	F: -40° to 194° C: -40° to 90°
Pressure:	Atmospheric
Fitting material:	PP (20% glass fill)
Process mount:	1_01: 2" NPT 1_61: 2" G
Mount. gasket:	Viton® (G version only)
Sensor car:	3/4" NPT (3/4" Rp)
Junction box	
Sensor inputs:	1-4 sensors
Terminal strip:	12 pole socket
Enclosure rating:	NEMA 4X (IP65)
Encl. material:	PP, UL94VO
Encl. rotation:	300° swivel base
Conduit entrance:	Single, 1/2" NPT
Temp. rating:	F: -40° to 158° C: -40° to 70°
CE compliance:	EN 50082-2 immunity EN 55011 emission EN 61010-1 safety
Side Mount	
Bracket material:	PP
Female threads:	1001: 2" NPT 1051: 2" G
Tank installation:	Bolt or plastic weld

Smart-Trak

Ordering

LM10-1 1

Track length (1) (2) (3) (4)

US

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

Process mount (5) (6)

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

Metric

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

LM30-10 1

Process mount (3)

0 3/4" NPT (US)
5 3/4" Rp (Metric)

LM50-10 1

Process mount (6)

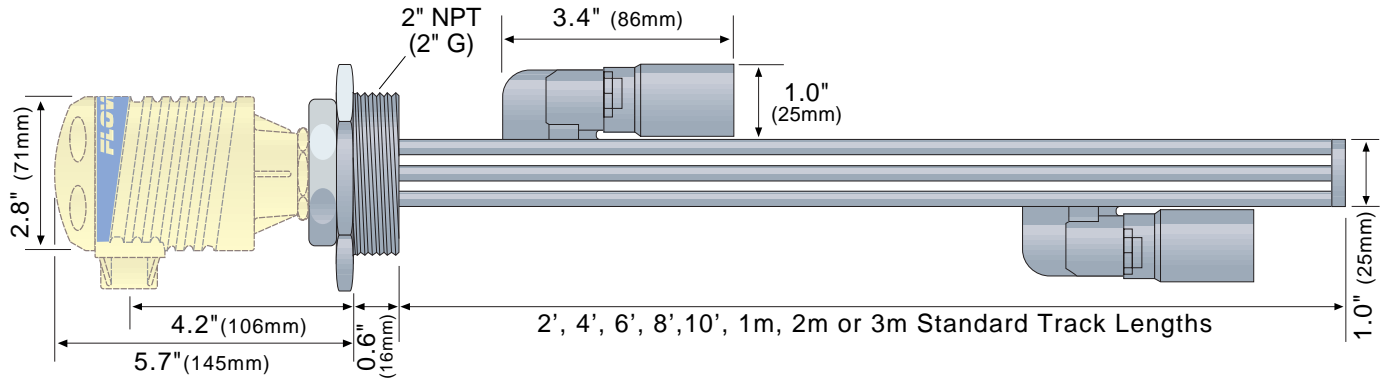
0 2" NPT (US)
6 2" G (Metric)

Ordering Notes

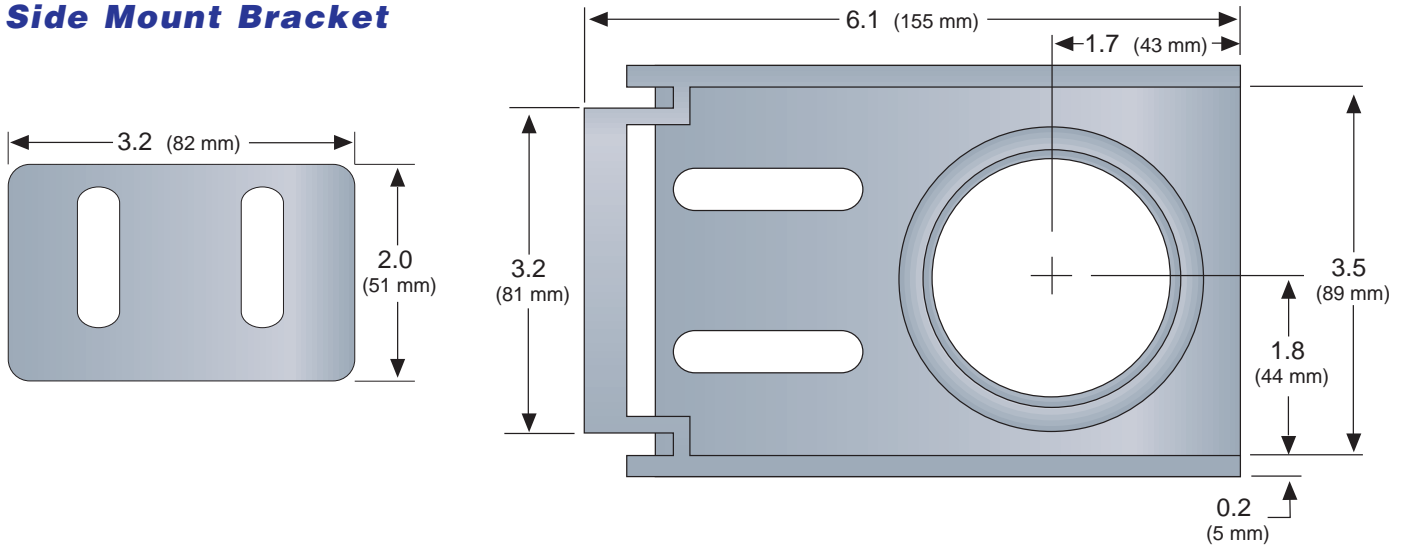
- 1) Select the appropriate US or Metric track length based upon the maximum sensor depth and/or application tank height. Standard track lengths may be cut to custom lengths in the field.
- 2) Each track is provided with one 2" plug fitting less the required sensor cars.
- 3) Order one LM30-1001 (3/4"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

Smart-Trak™ Multi-Point Adjustable Fitting

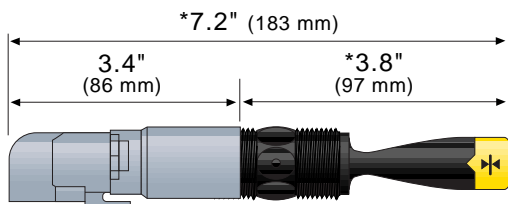
Smart Trak Profile



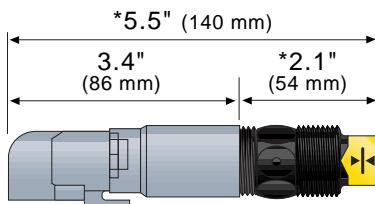
Side Mount Bracket



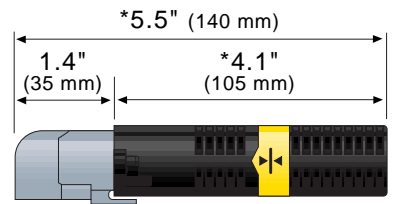
Vibration w/ LM30



Ultrasonic w/ LM30



Buoyancy w/ LM30



Specifications are subject to change without notice.

Sensors

Vibration



- Typically applied in wastewater media with light coating and/or foaming characteristics
- General purpose classification

Ultrasonic



- Broadly applied in chemical, solvent, hydrocarbon and light weight oil media
- Intrinsically safe classification

Buoyancy



- Best applied in clean water or water-like chemical media that is non-coating or scaling
- General purpose classification