

Truflo

LS Series Insertion Flow Meter

1/2" to 24", Frequency Pulse Output

DESCRIPTION

Series LS flow meters are insertion paddle type and feature all plastic wetted components suitable for a wide range of media compatibility.

Series LS measures flows in pipes from 1/2" to 24". They are very accurate (0.75% F.S) and have a frequency pulse output.

A full range of TEE fittings, saddles and adaptors assure easy and trouble free mounting.

SPECIFICATIONS

GENERAL

Pipe Sizes: 1/2" to 24"

Flow Velocity range: 0.33 to 26 ft/s (0.1 to 8 m/s)

Supply Voltage: 24 VDC

Measuring Accuracy: $\pm 0.75\%$ Full Scale

Repeatability: $\pm 0.5\%$ Full Scale

Output Frequency: 60.5Hz per m/s nominal velocity (18.45Hz ft/s)

Pulse Output Type: Transistor NPN Open-Collector (Max. DC60V/100mA)

Electrical Connection: DIN Mini-Connector 43650-A (IP65), Electrical cable (IP68)

Cable Type: 3 conductor + Shield.26A WG.PVC

Reverse Voltage: Protection Included As Standard

Enclosure Rating: NEMA 4X (IP65) or NEMA 6 (IP68) RATINGS

Sensor Body Material: PVDF, PP

Rotor Material: PFA

Shaft and Bearing Material: Zirconium Cermaic (ZrO2)

O-rings Material: FKM (Viton) or EPDM

Measuring Viscosity Range: 0.5 to 20 Centi Stokes (cst)

Maximum Particle Size: <10% (Particles in flow stream) or <0.5 mm cross section or length

Max Operating Pressure/Temperature:

PVDF Body: 200 psi @ -30 C to 80°C; 36 psi @ 90°C

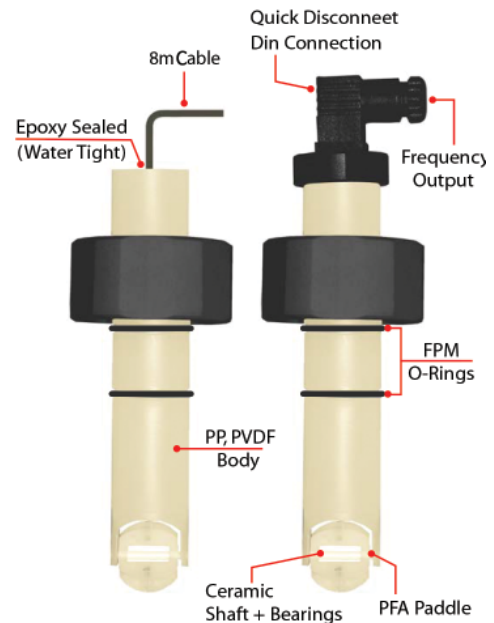
PPBody: 180 psi @ -20 C to 27°C; 25 psi @ 80°C

Storage Temp:

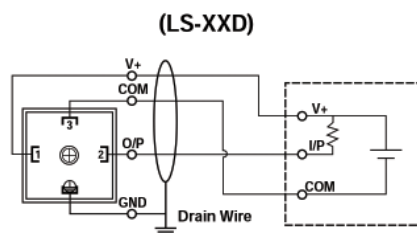
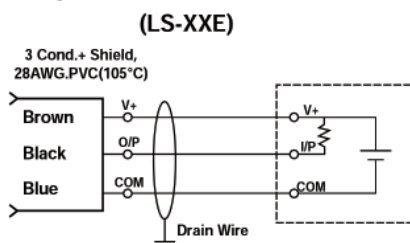
PVDF Body: -30 to 100°C

PP Body: -30 to 90°C

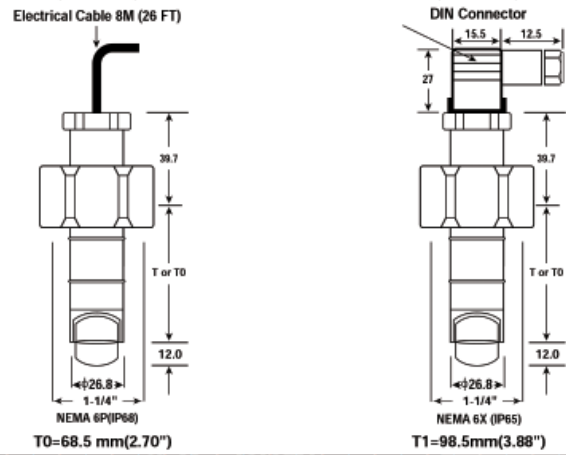
Certification: EN 55022:1998



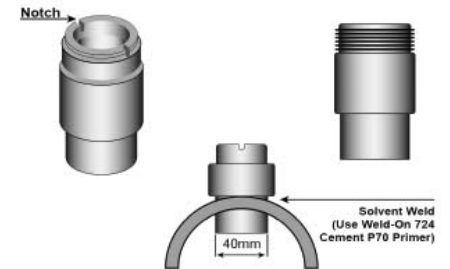
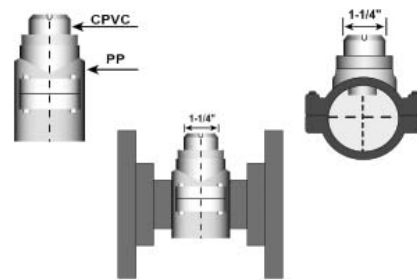
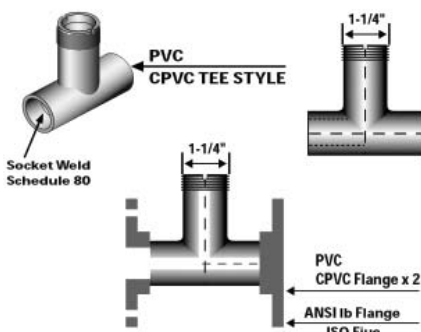
WIRING



DIMENSIONS (MM)



FITTINGS- SCHEDULE 80 PVC/CPVC



Model	Size	Sensor Length	Description
PT010	1"	T	PVC Tee fitting Socket
PT015	1-1/2"		
CT015	1-1/2"	T	CPVC Tee fitting Socket
CT020	2"		
PT020	2"	T	PVC Tee fitting Socket
PT080	3"		
CT030	3"	T	CPVC Tee fitting Socket
CT040	4"		

Model	Size	Sensor Length	Description
SA20	2"	T	CPVC + PP Clamp Saddles
SA025	2-1/2"		
SA030	3"	T	PP Clamp Saddle + PVC adaptors
SA040	4"		
SA060	6"	T1	
SA080	8"		
SA100	10"		
SA120	12"		
SA140	14"		

Model	Size	Sensor Length
PLGS-GT	0.5"-4"	T
PLGS-T1	6"-24"	T1

ORDERING INFORMATION

- 1) ORDER FITTINGS (SEE FITTINGS)
- 2) ORDER FLOW METER (SEE BELOW TABLE)

MODEL CONFIGURATION: LS-ABCD

EXAMPLE: LS-5TDF

A	B	C	D
Sensor Body	Sensor Length	Electrical Connection/Protection Class	O-rings
3= PP 5= Natural PVDF	T= 1/2"-4" T1=6"-24"	D= DIN mini-connection 43650-A/IP652 E= Electrical cable 8M/IP68 (26 FT) S= Electrical cable (customer) -IP68	F= FKM E= EPDM