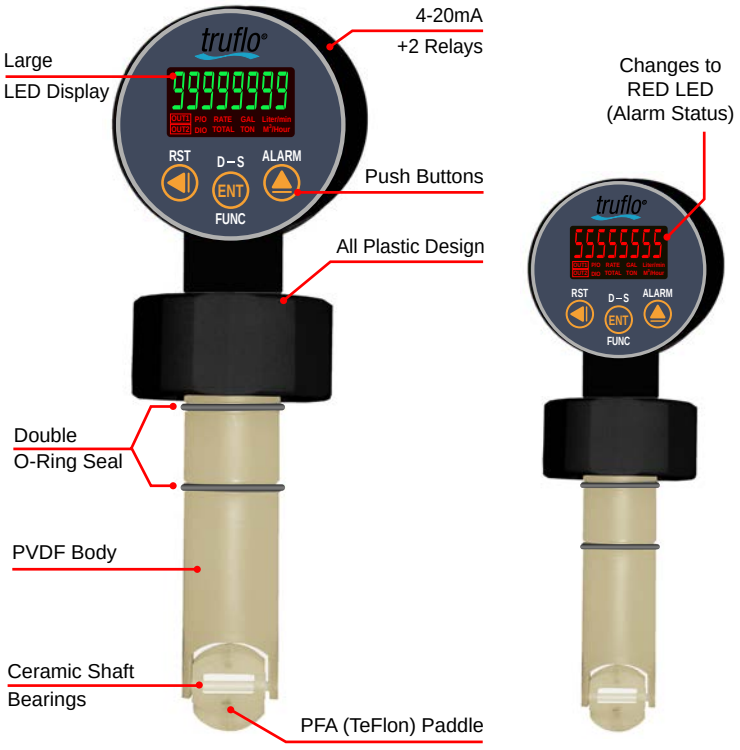
truflo®

FLOW METER/TOTALIZER + VISUAL ALERT ALARM

Industry's Most Accurate Paddle Wheel Flow Meter

FEATURES

- **Large Display Changes from Green to Red When in Alarm State**
- **Accuracy ± 0.75% Of Full Scale**
- **Pipe Size (1/2 -24 Inch)**
- **Flow Rate + Totalizer (Resettable-Insight On Volume Till Change Out)**
- **Flow Velocity Range (0.33 to 26 Ft/S) (0.1 To 8 M/S)**
- **Eprom Memory-Totalizer Value Will Not Be Lost**
- **Nema 4X (IP66) Protection**
- **Bright Led Display Flow Units-- Litre, USGPM, M3, Ton**
- **Dual Output Relays**
- **4-20mA Output Standard-(Track The 'Fill Rate' With Remote Display)**
- **Heavy Duty Industrial Design**
- **Corrosion Resistant All Plastic Wetted Parts-PVDF Body-Zirconium Ceramic Shaft-PFA Teflon Paddle**
- **Simple Installation**



SPECIFICATION

Supply Voltage	DC 14 to 28V
Measuring Accuracy	±0.75% Full Scale
Repeatability	±0.5% Full Scale
Input Sampling (Output Responses) Time	6 Cycles/Sec.
Readout Range	0~99999 (Flow Rate) 0~99999999 (Totalizer)
Relay Output	Adjustable Set Points
Relay Contact Output	DC 30V-3 Amp
Analog Output	4-20mA
Output Drive	<10mA <10V
Protection Class	IP66 NEMA 4X
RS-485 Baud Rate	19200/9600/4800/2400 (selective)
RS-485 Protocol	Modbus RTU Mode
Output Frequency	60.5Hz m/s Nominal (18.45Hz ft/s nominal) (Max. 10Hz (totalizer last digit))
Pulse Output Type	Transistor NPN Open-Collector (Max. DC60V/100mA)
LED Display	Bright Red or Green LED (0.4" High)
Parameter Setting	Push Button
Memory Mode	Non-Volatile E2 PROM Memory
Sensor Body Material	Natural PVDF
Rotor Material	PFA Teflon
Shaft and Bearing Material	Zirconium Cermaic (Zr02)
O-rings Material	FKM (Viton)
Display Housing Materials	Polymide 66 + PBT + 15% Glass Filled (UL94V-0)
Measuring Viscosity Range	0.5 to 20 Centi Stokes (cst)
Maximum Particle Size	<10%(Particle) or <0.5mm2 (Max Particle Size)
Maximum Operating Pressure/Temperature	PVDF Body (200 psi @ -30 C (-22 F) to 30°C (86F), Pressure/Temperature 36 psi @ 90°C (194F)
Storage Temp	(-30 -22F) to 80°C (176F) (20 to 90RH Non-Condensed)
Certification	EN 55022:1998/A1:2000 Class A

(Max Fluid Velocity should NOT EXCEED 8 ft/sec)

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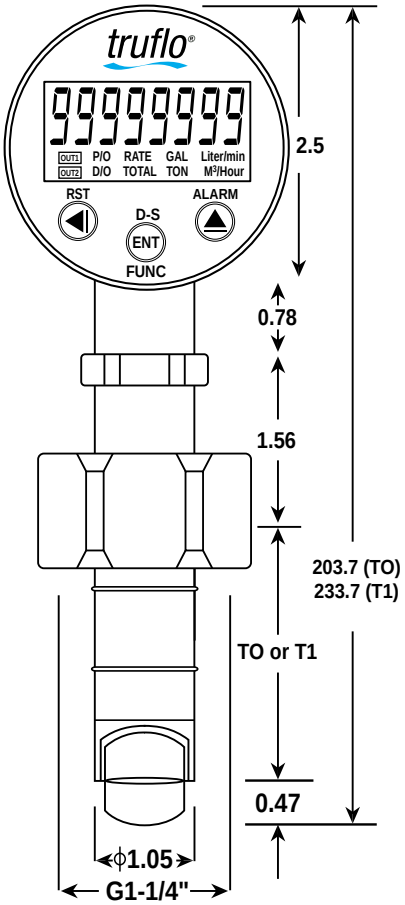
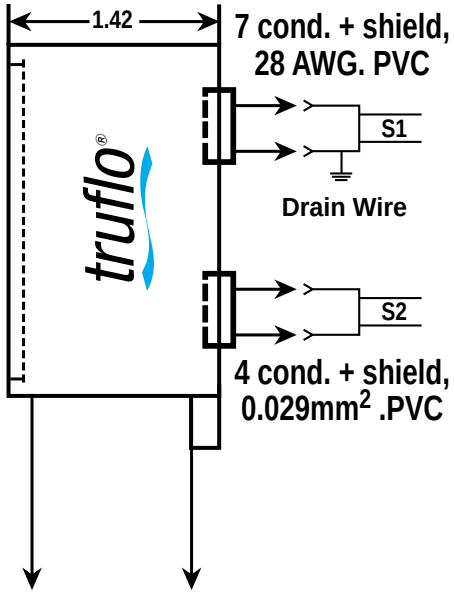
	Sensor body		Sensor Length		Alarm Output		Analog Output		RS-485 Output		Pulse Output		O-rings		Cable length
		0	2.70 in (T)	0	None	0	None	N	None	N	None	F	FKM	8	8M Standard
V	Natural PVDF	1	3.88 in (T1)	2	Two Relay	2	DC1~5V	Y	RS-485	I	Synchronize Input			C	Customes
		● T (Pipe size 0.5" to 4") ● T1(Pipe size 6"to 24")		● Relay Contact ● (DC 30V-7A)		2	DC4~20mA			T	Synchronize Totalizer				

3. DIMENSION (unit : inch)

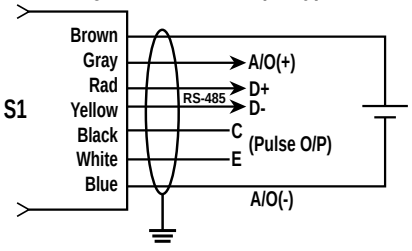


T = 68.5 mm (2.70")
T1 = 98.5 mm (3.88")

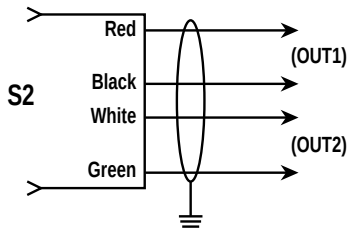
4. TERMINAL CONNECTIONS



● Analog/RS-485/Pulse output type



● Relay output type



● Power = DC14~28V

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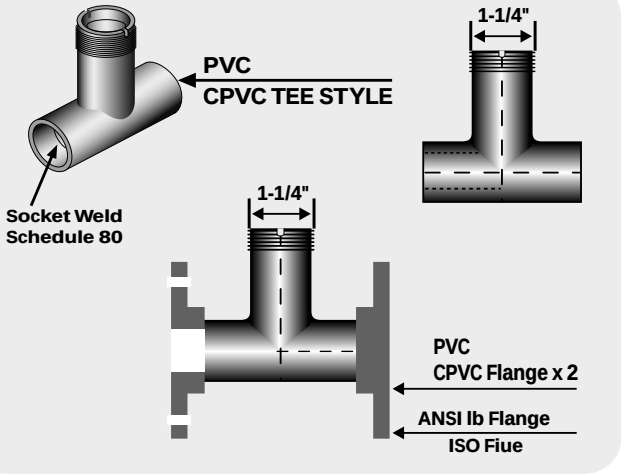
"GO WITH FLOW"

FITTING FOR LS & LSS SERIES PADDLE WHEEL FLOW METERS

■ TEE FITTING (SCH80)

MODEL : TLFS - □ □□

	Type	No	Size	Sensor
A	PVC Tee fitting + ANSI 150 PSI Flange	10	1"	T
		12	1-1/4"	T
J	CPVC Tee fitting + ANSI 150 PSI Flange	15	1-1/2"	T
		20	2"	T
T	PVC Tee fitting Socket (Sch 80)	25	2-1/2"	T
		30	3"	T
N	CPVC Tee fitting Socket (Sch 80)	25	2-1/2"	T
		30	3"	T
• PVC / CPVC Tee fitting for ASTM SCH80 Pipes		40	4"	T

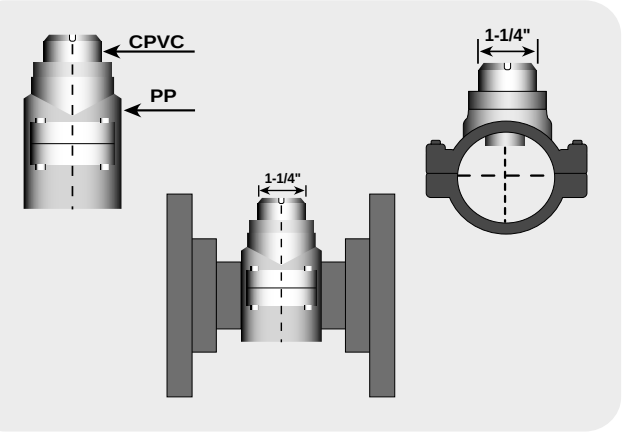


■ CPVC + PP CLAMP SADDLES (SCH80)

MODEL : LCLS - □ □□

	Type	No	Size	Sensor
A	CPVC + PP Clamp Saddles + ANSI 150PSI Flange (CPVC)	20	2"	T
		25	2-1/2"	T
C	CPVC + PP Clamp Saddles	30	3"	T
		40	4"	T
		80	8"	T1

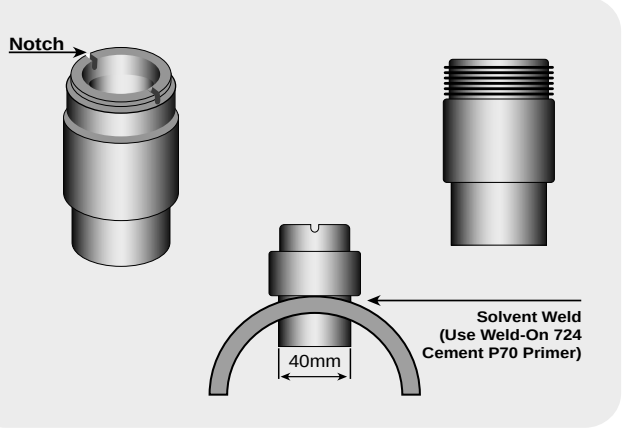
- Note 1 : SUS304 Bolt and Nut for PP Clamp Saddles
- Note 2 : LCLS -A or C XX (Drilling hole = 40mm)



■ CPVC GLUE-ON ADAPTERS

MODEL : PLGS - □□

	PIPE Size (DN)	Sensor Length
GT	0.5" - 4" (15-100)	T
T1	6" - 24" (150-600)	T1



CPVC SOLVENT CEMENT - WELDON 724 + P70 Primer

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