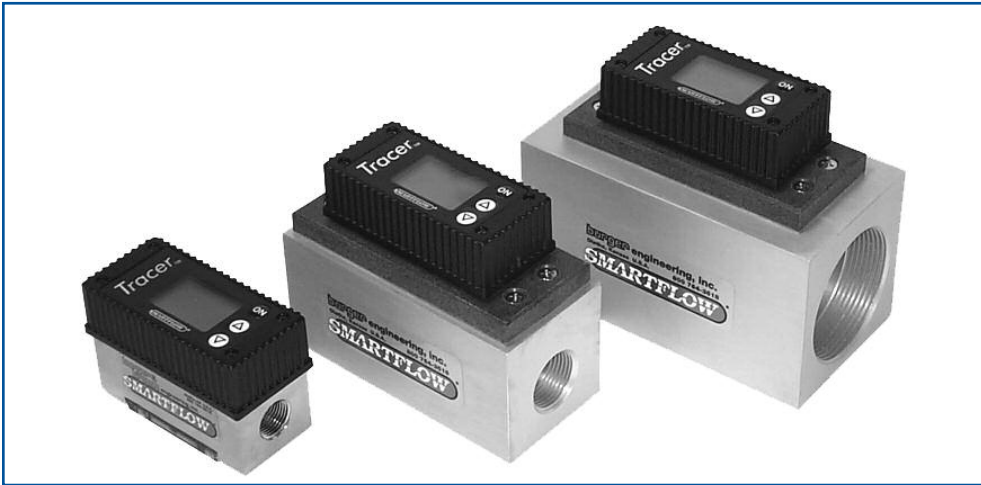




TRACER® ELECTRONIC FLOWMETER



Model DD Digital Display

- Battery Powered
- LCD Display
- Flow
- Temperature
- BTU's per minute

See page 21 for model numbers and dimensions

General Description

Tracer™ Electronic Flowmeter with Liquid Crystal Display (LCD) measures liquid flow rate, temperature, and calculates BTU's per minute. The highly-visible display is configured via the sealed push buttons and user-friendly menus.

As a diagnostic tool, engineers and maintenance personnel can quickly spot-check temperature and flow in water lines using the LCD Tracer™ flowmeter. This portable LCD unit is unmatched as a troubleshooting tool.

As a process control tool, the Tracer™ can be left in place to closely monitor more critical applications. The adjustable, automatic shut-off feature prolongs battery life.

Annual calibration is recommended for best results.

Features and Benefits

- **Bi-directional flow reading** makes installation simple and convenient.
- **English or Metric units** for flow and temperature are user-selectable.
- **Optional quick-connect fittings** provide fast, portable water line connection (8 GPM models only).
- **Corrosion-resistant wetted parts** assure long-lasting durability.
- **Polysulfone viewing window** provides visual flow indication (DD-3B & DD-3E models only).
- **Automatic display shut-off** prolongs battery life.
- **Weather-tight housing** protects the electronics.

Specifications

Flow Accuracy±5%*

Flow Repeatability±3%*

Wetted Parts

- 3/8" BodyNickel-Plated Brass
- 3/4" - 2" BodyClear-Anodized Aluminum or 303 Stainless Steel (-SS model suffix)
- Sight Window (3/8" only)Polysulfone
- ImpellerNylon 6/12
- Impeller Shaft18-8 Stainless Steel
- MagnetNeodymium

Power

- Battery3.6V 1.0A Lithium Tadiran 5902 (part no. EFB-36)
- Battery Life40 - 50 hrs actual use

Temperature

- Range32°F to 230°F (0°C to 110°C)
- Accuracy±2% of display value
- Repeatability±1% of display value

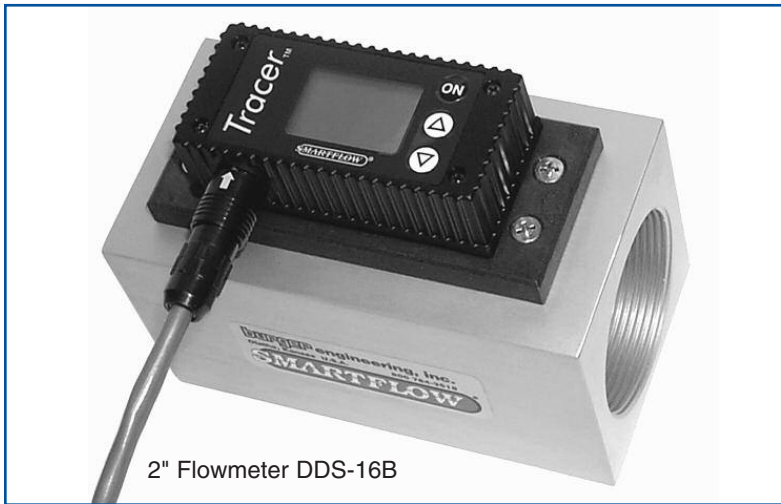
Environmental

- Pressure
- 3/8" Body150 psi max. (10.3 bar max.)
- 3/4" - 2" Body100 psi max. (6.9 bar max.)

*Accuracy and Repeatability figures are based on the full scale of the range.



151 Memorial Drive, Unit H
Shrewsbury, MA 01545
Tel: 888-792-2223, 508-842-1606
Fax: 508-842-4406 Email: sales@plastixx.com
Website: www.plastixx.com



2" Flowmeter DDS-16B

Model DDS Digital Display Switching

- Remotely Powered 8 to 28VDC
- Programmable SPDT Switch
Low or High Flow
Low or High Temperature
- LCD Display
Flow
Temperature
BTU's per minute

See page 21 for model numbers and dimensions

General Description

Tracer® Electronic Switching Flowmeter measures liquid flow rate and temperature while providing a programmable switch for high or low flow or temperature.

8 to 28VDC power source operates the flowmeter to provide continuous monitoring of the process. Sealed push-buttons configure the flowmeter and switching operations through user-friendly menus. BTU's per minute calculation is available as standard.

The Tracer Electronic Switching Flowmeter is designed to be permanently mounted to closely monitor water flow and temperature conditions. The SPDT switch in the Tracer flowmeter can be wired directly to an alarm circuit in a process controller or other peripheral equipment. The NPT(F) threaded openings provide versatile, leak-free connections to match existing plumbing.

Tracer flowmeter is suitable for use in injection molding machine cooling water loops, lube oil systems, blending systems, filter condition indicators, and varied applications requiring flow measurement of clean, non-viscous, chemically compatible process liquids.

Annual calibration is recommended for best results. Not recommended for use with liquids containing metallic particles.

Specifications

Flow Accuracy±5%*

Flow Repeatability±3%*

Wetted Parts

3/8" BodyNickel-Plated Brass

3/4" - 2" BodyClear-Anodized Aluminum
or 303 Stainless Steel (-SS model suffix)

ImpellerNylon 6/12

Impeller Shaft18-8 Stainless Steel

MagnetNeodymium

Power8 to 28VDC

SwitchingSPDT, 1A,
30VAC, 42VDC

Temperature

Range32°F to 230°F
(0°C to 110°C)

Accuracy±2% of display value

Repeatability±1% of display value

Environmental

Pressure

3/8" Body150 psi max.
(10.3 bar max.)

3/4" - 2" Body100 psi max.
(6.9 bar max.)

*These figures based on the full scale of the range.

Features and Benefits

- **Programmable SPDT switch** tied to high or low flow, or high or low temperature conditions to help protect equipment and processes.
- **Remotely powered** for low maintenance operation.
- **Bi-directional flow reading** makes installation simple and convenient.
- **Metric or English units** for flow and temperature are user-selectable.
- **Corrosion-resistant wetted parts** assure long-lasting durability.
- **3/8"through 2" NPT(F) inlet/outlet** installs easily into existing plumbing.



TRACER[®] ELECTRONIC FLOWMETERS

Model Numbers and Dimensions

Display Tracer	Switching Tracer	Connection Size	Flow Range	Max Dimensions (mm/in)			
				L	H	W	C
DD-3B	DDS-3B	3/8" NPT(F)	0 - 8 gpm 0 - 30 lpm	87/3.42	58/2.27	42/1.67	21/0.83
DD-3B-B	DDS-3B-B	3/8" BSPP(F)					
DD-3E		3/8" quick connect					
DD-6B	DDS-6B	3/4" NPT(F)	2 - 20 gpm 8 - 76 lpm	121/4.75	94/3.70	57/2.25	29/1.13
DD-6B-B	DDS-6B-B	3/4" BSPP(F)					
DD-8B	DDS-8B	1" NPT(F)					
DD-8B-B	DDS-8B-B	1" BSPP(F)	3 - 30 gpm 11 - 114 lpm				
DD-12B	DDS-12B	1-1/2" NPT(F)	6.5 - 60 gpm 25 - 228 lpm	140/5.50	118/4.65	76/3.00	38/1.50
DD-12B-B	DDS-12B-B	1-1/2" BSPP(F)					
DD-16B	DDS-16B	2" NPT(F)	10 - 110 gpm 38 - 418 lpm				
DD-16B-B	DDS-16B-B	2" BSPP(F)					

Add "-SS" suffix to above model numbers for 303 Stainless Steel bodies with NPT threads only.

Stainless Steel Application Note:

Stainless Steel flowmeter bodies are strongly recommended when copper is present in water lines. This includes water treatments such as organic biocides containing copper. Aluminum is susceptible to galvanic action in the presence of copper. Contact your factory representative for more information.

