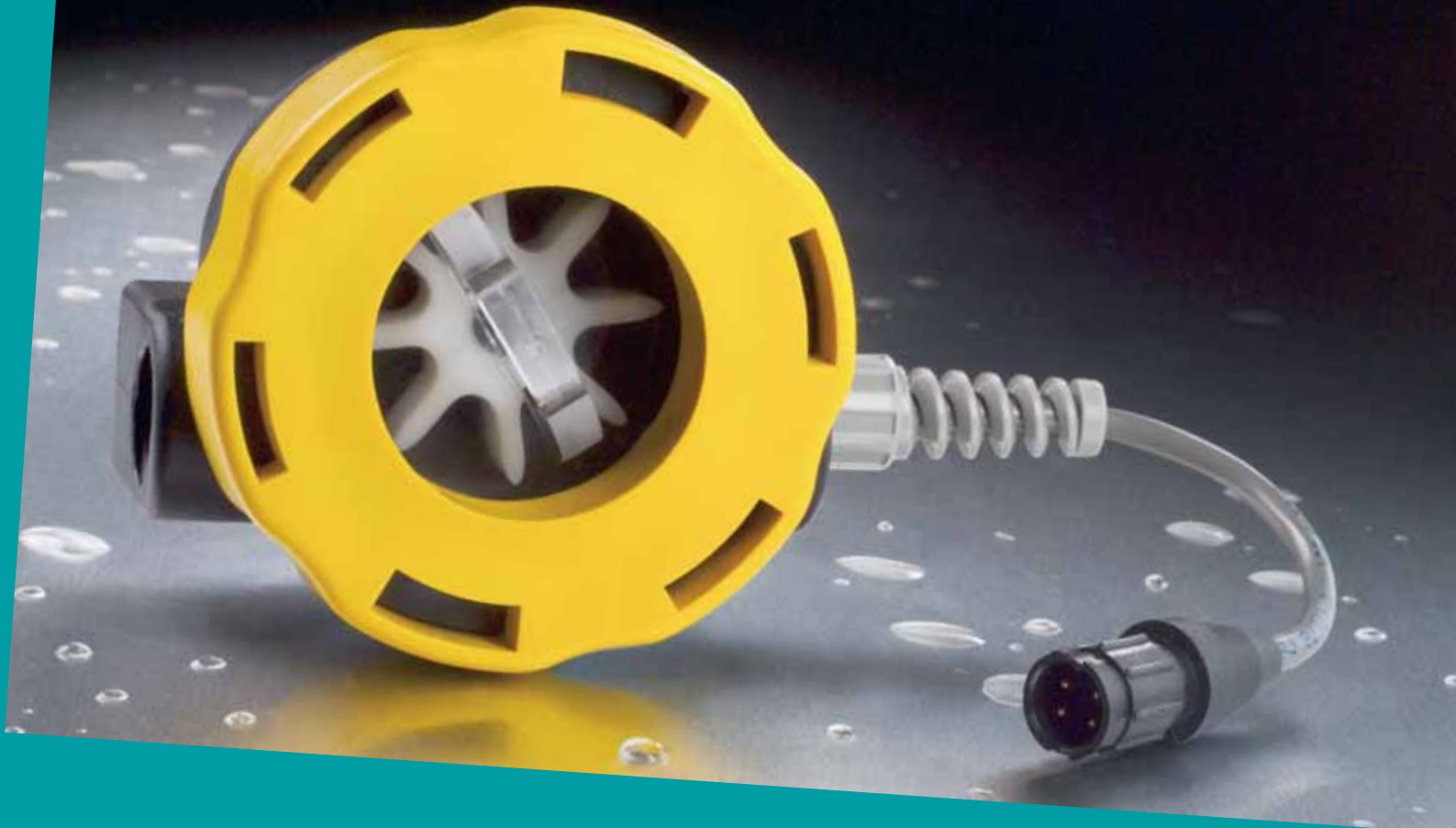
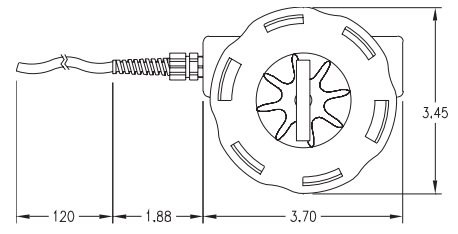


A Flow Sensor that's compatible with your Application and your Budget.

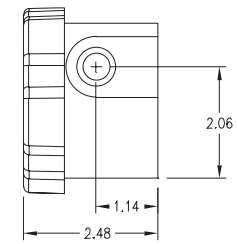


Whether it's a unique flow monitoring application, a limited budget or both, the FlowStat ES is a perfect fit. A new addition to Lake's line of popular FlowStat® Sensors, the ES version features a durable polypropylene body for cost savings and compatibility with a variety of fluids. The ES sensor also offers a flow measuring accuracy of $\pm 2\%$ of full scale, and is capable of handling pressures up to 150 PSIG and temperatures up to 150°F. For additional compatibility, the FlowStat ES Sensor offers 4-20 mA, 0-5 VDC, pulse or relay outputs. And like most of its products, AW-Lake Company backs the FlowStat ES/Economy Flow Sensor with a 5-year warranty.

FlowStat ES/Economy Flow Sensor



Measurements shown are in inches.



MATERIALS OF CONSTRUCTION

WETTED COMPONENTS:	Sensor Body:	Glass-Filled Polypropylene
	Cover:	Clear Polycarbonate
	Seal:	Buna-N (standard)
	Turbine:	Acetal Copolymer
	Bearing:	PEEK
	Shaft:	Stainless Steel
NON-WETTED:	Encapsulant:	Epoxy
	Strain Relief:	Nylon
	Lock Ring:	Glass-Filled Polypropylene
	Wire Insulation:	High-Temperature PVC

PERFORMANCE

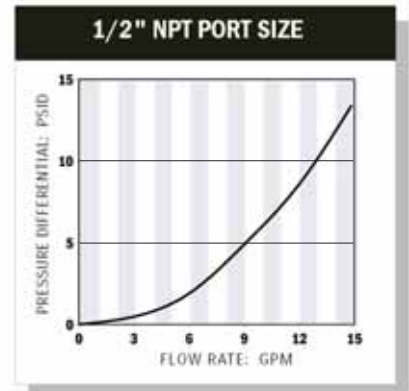
Measuring Accuracy:	± 2% of full-scale
Repeatability:	± 0.5% of full-scale
Turndown ratio:	10:1
Flow Measuring Range:	0.5-15 GPM (2-60 LPM) With optional low-flow adapter: 0.1-4.0 GPM (0.4-15 LPM)
Temperature Range:	20-150°F
Maximum Pressure:	150 PSIG
Pressure differential:	See graph on right
Standard calibration media:	Tap water @ 70°F Temperature

ELECTRONIC SPECIFICATIONS

4-20 mA version:	Power Requirements:	12-35 VDC, loop powered
	Load driving capacity:	1150 Ohms maximum
	Maximum transmitting distance:	Limited only by wire resistance & supply voltage
	Response time:	2 seconds to 90% (step change)
	Resolution:	Infinite
	Over-current limit:	Self limiting at 35 mA
0-5VDC Version:	Other protection:	Reverse polarity
	Power Requirements:	12-35 VDC
	Maximum current:	25 mA DC
	Minimum load resistance:	1000 Ohms
	Maximum transmission distance:	200 feet recommended
	Resolution:	Infinite
Pulse Output Version:	Response time:	< 5 seconds to 90% (step change)
	Power Requirements:	5-24 VDC
	Response Time:	< 100 mS
	Maximum current:	25 mA DC
	Maximum transmission distance:	200 feet recommended
	Minimum load resistance:	1000 Ohms
Relay Output:	Protection:	Short circuit & reverse polarity
	Power Requirements:	12-35 VDC
	Maximum transmission distance:	200 feet recommended
	Switch Contact:	Form C, 5A max @120 or 240 VAC
	Hysteresis:	5% of set point maximum
	Set point repeatability:	1% of full scale

NOTE: Standard Interface for all version is a 10' pigtail, 22 AWG multi-conductor cable (electrical connector optional)

PRESSURE DIFFERENTIAL



For ordering information refer to Lake's current Price and Part Number Guide, which is available on-line or by calling Lake Monitors.



www.lakemonitors.com

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