

Blue-White
Industries, Ltd.

**Blue-White®
CHEM-SENSOR S6
Chemical Feed Sensors**

- Continuously monitor flow in both pump-powered and standalone feed configurations



Use this sensor to continuously monitor flow in both pump-powered and standalone feed configurations. For pump-powered use, connect it to your Blue-White FLEX-PRO or M-Series pump to communicate with the pump's Flow Verification Sensor function. If flow through the sensor is interrupted, the pump stops and triggers a remote alarm or back-up pump.

For standalone use, sensor accepts external power (5-24 VDC, 5 watts max). It's wired for 4-20 mA and pulse outputs. Sensor includes fittings so you can connect it to chemical discharge pipe with 1/2" ID barb, NPT(M) or PVC slip (M) connections. Must be installed vertically with upward flow for accurate readings.

Manufacturer-Approved Chemicals/Liquids

Use with water, ammonia, ammonium hydroxide, 10% ferric chloride, 40% sodium bisulfite, 12.5% sodium hypochlorite, sodium permanganate, 25% hydrofluosilicic acid and 10% ammonium sulfate (call for compatibility with other chemicals; more chemicals are being evaluated for compatibility and accuracy, and added over time by the manufacturer).

FLOW RANGE (GPD)	FLOW RANGE (GPH)	MAX PSI @ 70°F	MAX PSI @ 100°F	STOCK #	EACH
SENSORS WITH TFE/P & PVDF O-RING					
3.8 to 1901	0.16 to 79.2	200	100	350737	\$
37.9 to 3804	1.6 to 159	200	100	350739	
SENSORS WITH EP & PVDF O-RING					
3.8 to 1901	0.16 to 79.2	200	100	350738	\$
37.9 to 3804	1.6 to 159	200	100	350740	



**Seametrics® PS40 Flow
Sensor Signal Splitters**



- Easily convert a single pulse signal into four signals
- Perfect for efficiently driving multiple chemical metering pumps
- Economical alternative to Seametrics FT400 series indicators

Use these pulse signal splitters to interface flow sensors with other equipment. They accept one pulse signal, and send out up to four identical signals to multiple pulse-sensitive devices, such as chemical metering pumps, PLCs, chart recorders, remote totalizers and more.

Power:	10-32 VDC
Outputs	
Open collector:	three opto-isolated transistor switching, 10 mA max @ 30 VDC max
Relay:	one SPDT dry contact, disabled if high-speed input applied (>50 pulses per second), 50 Hz max
Enclosure:	ABS plastic with wall-mounting tabs

MFR #	DESCRIPTION	STOCK #	EACH
PS40	Seametrics Pulse Splitter	51274	\$
—	24-VDC Power Supply	74178	

Seametrics® S-Series Flow Sensors

- Great for measuring low flow rates
- Chemical-resistant construction

These versatile impeller flow sensors feature ruby bearings that allow them to measure very low minimum flows and provide superior wear characteristics. Their current sinking 5-24 VDC pulse output is compatible with many PLCs, counters and a full range of Seametrics rate displays and controls. Transparent acrylic covers provide visual flow indication (SPX only).

Straight pipe run of at least 5 diameters upstream of the sensor is recommended (10 diameters is preferred). Micro-powered versions are also available. Contact USABlueBook for information.



Accuracy: ±1% full scale

Materials

- SPX:** polypropylene body; acrylic cover; PVDF rotor; ruby bearings; nickel tungsten carbide shaft
- SPT:** TFE Teflon® body and cover; PVDF rotor; ruby bearings; ceramic shaft

Max pressure: 150 psi

Max temp: 160°F (SPX), 180° (SPT)

Power: 6-36 VDC, 2 mA minimum

Sensor cable: 18'L AWG 22, 3-conductor, 2000' max run

FITTING SIZE NPT(F)	FLOW RANGE (GPM)	POLY SENSOR SPX SERIES			TEFLON SENSOR SPT SERIES		
		MFR #	STOCK #	EACH	MFR #	STOCK #	EACH
3/8"	0.07 to 5	SPX-038	11746	\$	SPT-038	77786	\$
1/2"	0.1 to 10	SPX-050	11747		SPT-050	77787	
3/4"	0.2 to 20	SPX-075	11748		SPT-075	77788	
1"	0.5 to 40	SPX-100	11749		SPT-100	77789	

Accessories

DESCRIPTION	STOCK #	EACH
FT440 Flow Monitor/Totalizer	26473	\$
24-VDC Power Supply, 7.5 W	74178	