



## Magnetic Inductive Flow Sensor

No Moving Parts, Frequency and 4 to 20 mA Output, Maintenance-Free

## Models Select Chart

Model	Description
MFS-11	Magnetic flow sensor, range 0.25 to 5.3 GPM (1 to 20 LPM), 1/4 I.D., 1/2" NPT process connection, frequency output signal.
MFS-12	Magnetic flow sensor, range 0.25 to 5.3 GPM (1 to 20 LPM), 1/4 I.D., 1/2" NPT process connection, frequency & analog output signal.
MFS-21	Magnetic flow sensor, range 0.5 to 10.5 GPM (2 to 40 LPM), 3/8 I.D., 1/2" NPT process connection, frequency output signal.
MFS-31	Magnetic flow sensor, range 2.5 to 52.8 GPM (10 to 200 LPM), 3/4 I.D., 1" NPT process connection, frequency output signal.

## Accessories

Model	Description
MFS-C3	4 pin cable socket M12x1 connect, 9.8 ft (3 m)
MFS-C5	4 pin cable socket M12x1 connect, 16.4 ft (5 m)
MFS-C10	4 pin cable socket M12x1 connect, 32.8 ft (10 m)

Specifications:-	
<b>Service</b>	: Water and other conductive liquids.
<b>Wetted Materials</b>	: Electrodes: 316 TI SS; Process Connections: 316 TI SS; Measuring Pipe: PEEK-GF30; Gasket: EPDM.
<b>Accuracy</b>	: $\pm 2\%$ of reading.
<b>Repeatability</b>	: 1%.
<b>Temperature Limits</b>	: Process: 32 to 194°F (0 to 90°C);

		Ambient: 41 to 158°F (5 to 70°C).
<b>Pressure Limits</b>	:	232 psi (16 bar).
<b>Response Time</b>	:	< 500 ms.
<b>Power Requirements</b>	:	24 VDC ±10%.
<b>Output</b>	:	Frequency: Square-wave, NPN; Analog: 4 to 20 mA.
<b>Loop Resistance</b>	:	250 Ω.
<b>Current Consumption</b>	:	Max 80 mA.
<b>Minimum Conductivity of Medium</b>	:	50 μS/cm.
<b>Flow Indication</b>	:	LED green, flow proportional blinking.
<b>Enclosure Rating</b>	:	NEMA 4 (IP65).
<b>Process Connection</b>	:	See model chart on catalog page.
<b>Electrical Connection</b>	:	Plug connector M12x1.
<b>Weight</b>	:	MFS-1X: 1.5 lb (0.68 kg); MFS-2X: 1.7 lb (0.77 kg); MFS-3X: 1.9 lb (0.87 kg).
<b>Agency Approval</b>	:	CE.