



## Insertion Electromagnetic Flow Sensor

No Moving Parts, Hot-Tap Option, 3 to 48" (76 to 1219 mm) Field  
Adjustable Insertion

## Models Select Chart

<b>MODEL CHART</b>						
<b>Example</b>	<b>IEFS</b>	<b>- 0SB</b>	<b>- BAF</b>	<b>IEFS-0SB-BAF</b>		
<b>Series</b>	<b>IEFS</b>			<b>Insertion electromagnetic flow sensor</b>		
<b>Size/ Material</b>				<b>Size</b>	<b>Hot-Tap</b>	<b>Material</b>
		<b>0SB</b>		3 to 10"	No hot-tap	Brass
		<b>0SS</b>		3 to 10"	No hot-tap	SS
		<b>0LB</b>		10 to 48"	No hot-tap	Brass
		<b>0LS</b>		10 to 48"	No hot-tap	SS
		<b>1SB</b>		3 to 10"	Hot-tap	Brass
		<b>1SS</b>		3 to 10"	Hot-tap	SS*
		<b>1LB</b>		10 to 48"	Hot-tap	Brass
		<b>1LS</b>		10 to 48"	Hot-tap	SS*
<b>Options</b>			<b>BAT</b>	Blind analog transmitter		
			<b>BAF</b>	2" brass adapter fittings (IEFS-0XX only)		
			<b>SAF</b>	2" SS adapter fittings (IEFS-0XX only)		
			<b>SVA</b>	316 SS valve assembly (IEFS-1XX only)		
			<b>NVA</b>	No valve assembly (deduct price) (IEFS-1XX only)		
			<b>RFO</b>	Reverse flow output		
			<b>BPT</b>	1-1/2" brass BPT adapter (2 piece) (IEFS-0XX only)		
			<b>SPT</b>	1-1/2" SS BPT adapter (2 piece) (IEFS-0XX only)		
			<b>IMM</b>	Immersible (urethane potted electrical components)		
			<b>LOP</b>	Low power (12 to 25 VDC @ 40 mA)		
			<b>EXT</b>	12" extension (IEFS-XLX only)		
*SS is stem and fitting. For SS valve order SVA option.						

**Specification:-**

<b>Service</b>	:	Compatible clean or dirty non-coating, conductive liquids.
<b>Range</b>	:	0.28 to 20 ft/s (0.08 to 6.09 m/s).
<b>Wetted Materials</b>	:	Body shaft/fitting: 316 SS or brass; Electrodes: Hastelloy®; Electrode cap: PVDF; Valve assembly: (IEFS-1XX) Bronze (SS optional) with bronze ball valve; O-ring: EPDM.
<b>Accuracy</b>	:	±1% FS.
<b>Temperature Limit</b>	:	Process: 32 to 200°F (0 to 93°C); Ambient: 0 to 160°F (-17 to 72°C).
<b>Pressure Connection</b>	:	IEFS-0XX: 1-1/2" male NPT; IEFS-1XX: 2" male NPT.
<b>Pressure Limit</b>	:	200 psi (13.8 bar).
<b>Output</b>	:	Current sinking, square wave pulse, opto-isolated, 550 Hz @ 20 ft/s, 30 VDC @ 6 mA max.
<b>Power Requirements</b>	:	12 to 25 VDC @ 250 mA; Low Power: 12 to 25 VDC @ 40 mA.
<b>Electrical Connection</b>	:	Terminal block.
<b>Conductivity</b>	:	≥ 20 microSiemens/cm.
<b>Enclosure Material</b>	:	Housing: Die-cast Powder-coated aluminum.
<b>Enclosure Rating</b>	:	NEMA 4X (IP66).
<b>Weight</b>	:	IEFS-0SX: 6 lb (2721g); IEFS-0LB: 12 lb (5443g); IEFS-1XX: 15 lb (6804g).