AYSIX technologies

Walsn Electromagnetic Flowmeter

SX-S Series

Product Features

Advanced Excitation Technology

- The current tracking drive technology ensures a highly uniform magnetic field
- Automatic excitation verification

Special Electrode Design

- Passivized, contamination free electrode ensures long term stability of baseline measurement
- Mathematically optimized electrode shape

NSF Approved Liner

- Kynar (PVDF) liner NSF approved for drinking water applications

Reliable Enviromental Protection

- Various Ingress Protection ratings avaliable (IP65,IP67,IP68)
- Lightning protection power supply design

Optional Functions

- Optional communication
- Current loops and pulse outputs

Human Interface

- User-friendly interface
- Easy to set up
- High visibility LCD display

Highly Efficient Interference mitigation

- Anti-interference technology efficiently eliminates the noise of the external power supply

Self-diagnosis

- Real time monitoring of coil excitation current and electrode signal
- Real time verfication of communication port operating conditions

Technical Specifications

Model: Standard SX-S (SX-SI Integral) (SX-SD Divided)	
Line size	½"~ 48" (10mm-1200mm)
Flow rate	≤10m/s (30ft/s)
Accuracy	±0.5%(standard) or ±0.2% (high)
Repeatability	±0.15% (standard) or ±0.06% (high)
Conductivity	≥5μS/cm (Water≥20μS/cm)
Pressure limits	145/232/362/580PSI ½"-24" (10mm-600mm) 87PSI 28"-48" (700mm-1200mm)
Electrode material	316L Hastelloy Titanium Tantalum Platinum-Indium Alloy Tungsten carbide
Lining material	PTFE,MPUR,PFA,NR,CR,ETFE
NSF approved lining material	Kynar (PVDF)
Flange	ANSI,JIS,GB,DIN
Process temperature	Minimum: -25°C (-13°F) Maximum (SX-SI): 80°C (176°F) Maximum (SX-SD): 180°C (356°F)
Ambient temperature	Minimum: -25°C (-13°F) Maximum: 60°C (140°F)
Ambient temperature effect on accuracy	<±0.25%/10°C(standard) or<±0.1%/10°C(high)
Enclosure protection	IP65/IP67;IP68 (SX-SD only)
Conduit connection	Seal M20×1.5, ½ NPT
Cable Length	SX-SD: <260 ft (80m) (shielding)
Analog Output Error	≤± 0.01mA
Approval	CSA,CE
Output Interface	Current loop output (HART coming soon) RS485 (Modbus),Pulse output,Digital output

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