



Process Instrumentation

FLOW HUNTER II

Ultrasonic Open Channel Flowmeter

- **Noncontact Ultrasonic Open Channel Flowmeter**
- **Advanced Microprocessor Technology with ECHO LOGIC**
- **Accuracy 0.25% of range or 6mm (whichever is greater)**
- **Displays Flow Rate, Totalizer, Head/Level, Graphic LCD**
- **Narrow ECHO PULSE with focusing face (Condensation Prevention)**



**Ultrasonic OCM FLOWMETER
Flow Hunter II & XDS Transducer**

The ECHO Flow Hunter II is a highly accurate Open Channel Flowmeter using the latest non-contact ultrasonic technology for measuring flow in all types of weirs and flumes. It uses the most advanced and unique "Transducer Focusing Face" technology that helps produce a narrow ECHO PULSE and prevents condensation build-up. It is a strong, stable and reliable flow measurement solution.

It has been specifically designed to measure influent and effluent water flow from all types of municipal and industrial treatment plants to ensure regulatory compliance. It comes standard in a rugged NEMA 4X, Wall-mount enclosure with a UV Protected clear lid for years of maintenance-free operation.

Big in functionality and small on price, the Flow Hunter II is perfect for the toughest applications. We offer a standard 60 day Performance Guarantee and 1 year warranty. We will prove our technology and high quality product is the best in the market and completely risk free to the customer. A totally flexible solution!

Advantages

- **Non-contact Ultrasonic Flow Measurement**
- **Compatible with most Flumes and Weirs**
- **RS232 standard, RS485 optional**
- **Two Relays for alarm or pulse output**
- **Available for Metric or Imperial Units**



**XDS
Transducer**

Technical Specifications: FLOW HUNTER II XDS 08 TRANSDUCER



General

Measuring principle : Ultrasonic OCM Flow Measurement
 Range : Transducer XDS 08 (1 - 26 ft)
 Accuracy: 0.25% of measured range or 6mm
 (whichever is greater)
 Resolution : 1 mm

Transmitter

Enclosure : Wall-mount housing
 Protection rating : NEMA 4X (IP 65 according EN60529)
 Operating temp. : -4 ...140 °F (-20 ... 60 °C)
 Housing material : Plastic, ABS, Polycarbonate
 (transparent front door only)
 Channels : 1
 Power supply : 100 ... 240 VAC 50/60 Hz
 (Optional 24 VDC)
 Display : Flow rate, Totalizer, Head/ Level
 Totalizer : 999,999,999.99
 Dimensions : 7.3 H x 9.4 W x 4.2 D inch
 (185 H x 240 W x 107 D mm)
 Weight : Approx. 5 lbs (2.3 kg)
 Power consumption: < 5 W without relays
 Damping Rate : 0.1/min to 10m/min
 Temp Comp. : Fully Temperature Compensated

Output

Analog Output : 4-20 mA, max 750Ω
 Serial interface : RS 232, RS 485 (optional)
 Digital (Relay) : 2 SPDT Relays rated 250VAC @ 5A

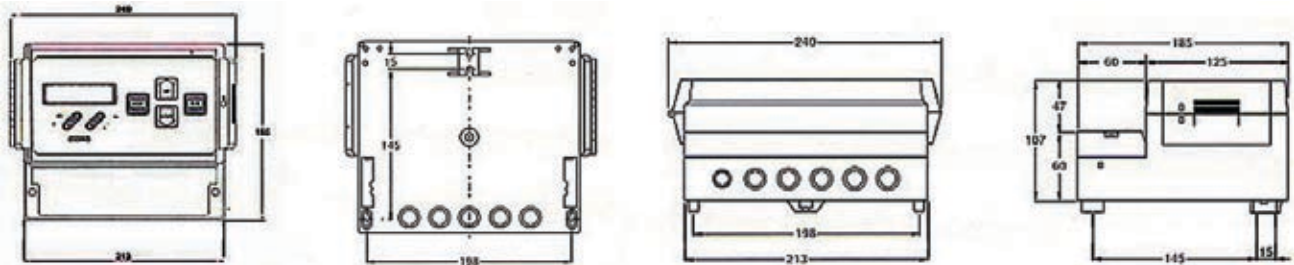
Transducer

XDS08 : 0.35 - 8m (1.1 - 26.2 ft) range
 Dimensions : 2.6" dia x 2.3" ht (67mm d x 160mm ht)
 Mounting : 1" NPT
 Temperature : -4 ...158 °F (-20 ... 70 °C)
 Beam Angle : 8° at -3dB
 Explosion Proof : EEX d II T6

General

Enclosures : Heated & Cooled- Thermostat Controlled
 Mounting : SS Uni-strut Wall & Floor Mount Versions

FLOW HUNTER II DIMENSIONS (mm)



XDS TRANSDUCER DIMENSIONS (mm)

