

X96S Microprocessor



Features

For Use in the Following Measurements:

- Level
- Level with Density Compensation
- Mold Level
- Density
- Mass Flow
- Weight
- System Integration via:
 - HART
 - Foundation Fieldbus
 - PROFIBUS PA
- Local Display Shown in HART Format
- Optional Local and/or Remote Eight Line Display
- Flexible, Modular Design Permits Customization
- Multiple Detector Capability
- State of the Art Dynamic Filtering
- Isolated Digital and Analog I/O, Software Settable
- NEMA-4, 4X, Enclosure or Rack Mount Chassis



SPECIFICATIONS

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Performance

The X96S Microprocessor is compatible with all Ronan Detector configurations and is interchangeable between Density, Level and Weight applications.

System Accuracy +/- 1 % span

Outputs HART® 4-20mA,
Foundation Fieldbus™
PROFIBUS PA
Up to 4 Form "C" Relay Outputs
Up to 4 Isolated Open Collector Outputs Capable of Switching 4.5 to 30 volts

Inputs Pressure Input: Support for Process Pressure from 0-10 volts, or 4-20 mA
Up to 8 Digital Inputs which can be Configured (Individually) as Dry or Live Contacts, Quadrature, Encoders or Pulse Counters
Temperature Input: Nickel or Platinum RTD

Diagnostics On-Board Modular Self-Test Watchdog Timer and Status LEDs

Calibration Available Through LOI, PC Based Software or Hand Held Communicator / DCS
Utilizing HART®, Foundation Fieldbus™ or PROFIBUS PA
RS-232/RS-485 Optional

Environmental

Operating temperature -10 to +60 C

Electrical

Power supply 24 VDC @ .035 A

Mechanical

Construction Housing - NEMA 4 Standard
- Stainless Steel Optional
- Explosion Proof Optional

Approvals

Complies with Cenelec/Atex
CSA Class 1, Div 1 Groups A,B,C,D
Nema 4, Nema 4X

Warranty

Three Year Limited Warranty

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