

SPECIFICATIONS

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



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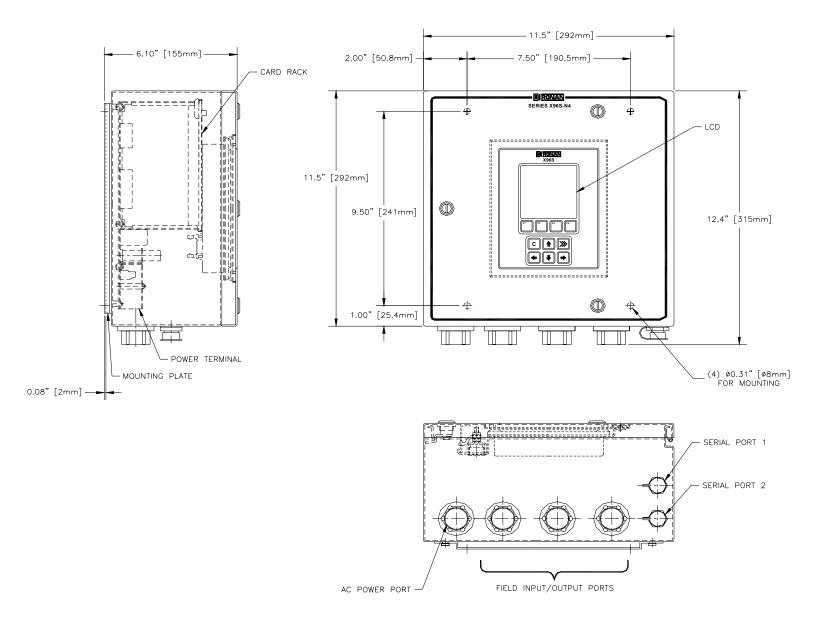
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Performance	
	The X96S Microprocessor is compatible with all Ronan Detector configurations and is interchangeable between Density, Level and Weight applications.
System Accuracy	+/- 1 % span
Outputs	HART® 4-20mA, Foundation Fieldbus™ PROFIBUS PA Up 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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