

Model X96S Microprocessor



Ronan's X96S transmitter is compatible with all Ronan detectors, interchangeable between applications, and menu-driven for simple programming. Its flexible, modular design permits customization. State-of-the-art transmitter-based electronics provide precision gauging. Local display shown in HART[®] format. Features include process build-up automatic compensation, automatic source decay compensation, auto calibration, radiation discrimination, data logging and event recording, adjustable time constant, and empty pipe alarm.

Construction: Carbon Steel, Stainless Steel

Mount: Surface, Panel, or Rack

Approvals: NEMA 4, NEMA 4X
IP68 T4
CSA CL1, Div2, Groups A,B,C,D

Weight: 25 to 30 lbs (11 to 14 kg)

System Accuracy: +/- 1% of span

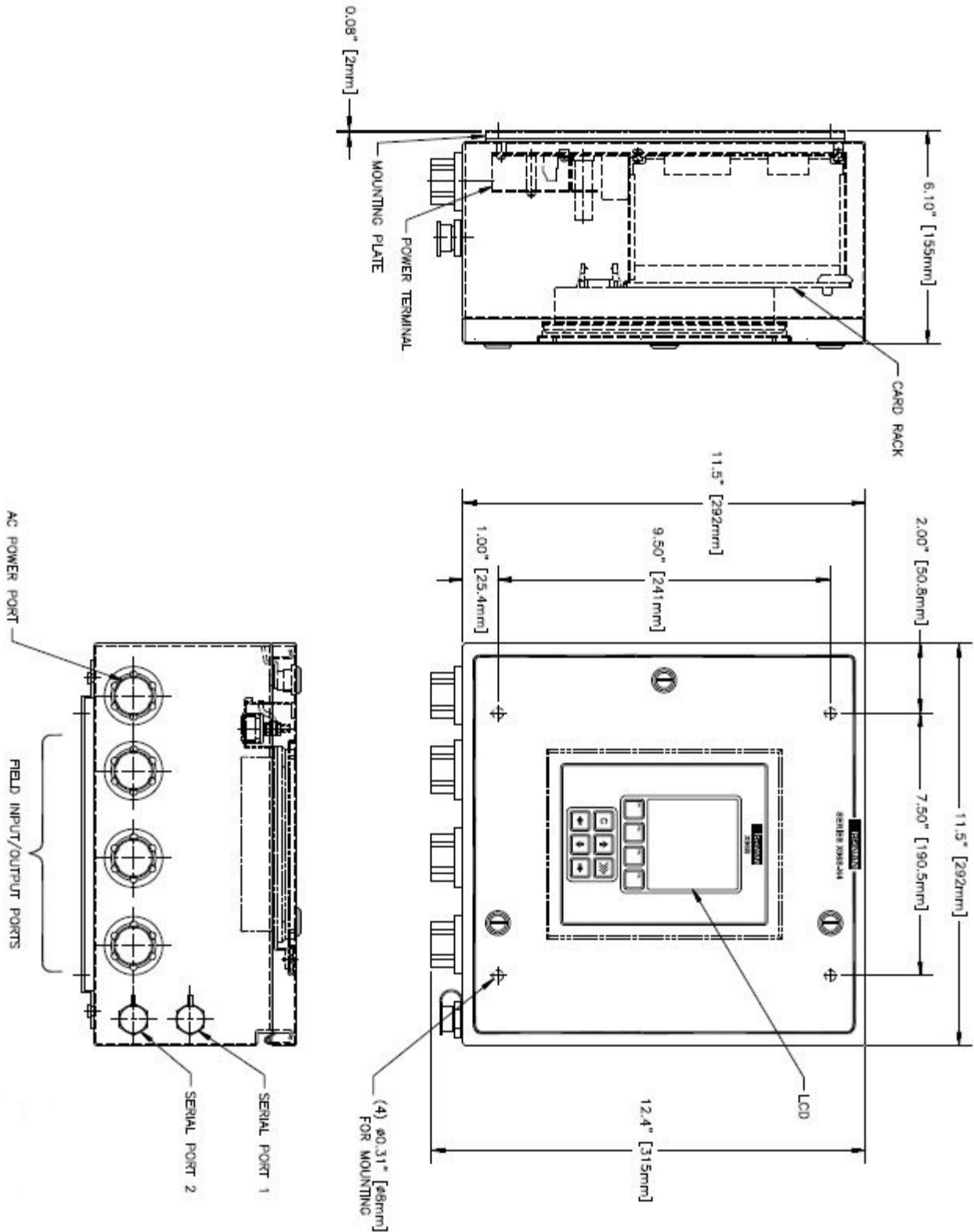
Display Units: Level: in, ft, mm, cm, m
Density: % Solids, SGU, Baume H, Baume L, API, Brix, Ball, Twaddell
Mass Flow: lb/min, kg/min, mT/min, mT/hr, sT/min, sT/hr, IT/min, IT/hr
Weight: lg/min, kg/min, mT/hr, sT/hr, IT/hr, kg/hr oz/min

Specifications for both models

| | |
|-------------------------|---|
| Outputs | HART® 4-20 mA Foundation Fieldbus™ 4 Form "C" Relays 4 Isolated Open Collector with Outputs Capable of Switching 4.5 to 30 volts 20msec pulse |
| Inputs | 0-10 volts 4-20 mA Pulse Rate 8 digital for individual configuration as: Dry or Live Contacts, Quadrature, Encoders, or Pulse Counters Temperature Input from Nickel or Platinum RTD, 100 Ohm |
| Diagnostics | On-Board Modular Self-Test Watchdog Timer and Status LEDs |
| Calibration | Thru operator keypad Hand-held Communicator/DCS using HART® Foundation Fieldbus™ RS-232/RS-485 |
| Standard Model | |
| Operating temperature | 14 to 122°F (-10 to +50°C) |
| Electrical Power Supply | 90-240VAC, 24VDC, 75 watt usage |
| Heated Model | |
| Operating temperature | -94 to +122°F (-70 to +50°C) |
| Electrical Power Supply | 90-240VAC, 24VDC, 50/60 Hz 260 watt usage (total) |

Dimensional Information

Standard Model



Dimensional Information

Heated Model

