



NexGen SFT200

Mass Flow Transmitter



The NexGen SFT200 mass flow transmitter provides a small, efficient, low-cost control system for Red Seal Measurement mass flow transducers. The NexGen SFT200 greatly reduces the overall cost of the metering system in situations where the full capabilities of the Nexgen SFT100 are not required, for example, a Modbus environment where multiple meters are monitored by a central processor.

The NexGen SFT200 output is MODBUS protocol via RS-485, communicating at standard speeds up to 56.6 K baud. Pulse output is also available. All other functions are handled by external monitoring and control software applications.

The transmitter performs the basic functions of controlling and monitoring the mass flow transducer to determine the mass flow rate, the mass total, density, and temperature. From these primary measurements, it calculates the volumetric flow rate and volumetric total.

The transmitter can be configured through a PC with the Red Seal Measurement NexLink software. Optional interface devices can provide ancillary functions and calculations such as batch control functions, net oil/net water measurements, or other functions.

The Nexgen SFT200 can be mounted directly to the case of the transducer, or remotely mounted when operating conditions are not conducive to integral mounting. Field connections to the unit are made through an 8 position terminal strip with 14 - 18 AWG wires. The wiring cable is run through the unit's connector and secured with a cable gland or conduit. Remote mounting requires an additional cable between the NexGen SFT200 and the transducer adapter.

Red Seal Measurement mass flow transducers are industry leaders in accuracy and reliability. The NexGen SFT200 delivers these benefits at a lower cost for Modbus applications.

Specifications

Power Requirements:

12.5-30 VDC

500 mA

<10 W power consumption

Output:

RS-485 MODBUS

Single Pulse

Quadrature Pulse

Baud Rates, Half Duplex:

• 1200, 2400, 4800, 9600, 19200, 38400, 56600

Size:

5.5 in x 5 in x 3.5 in (140 x 127 x 89 mm)

Weight:

4 lbs (1.8 kg)

Operating Temperature Range:

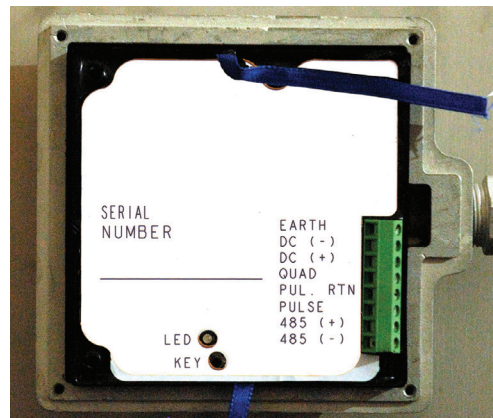
-40 °F to 140 °F (-40 °C to 60 °C)

Enclosure Rating:

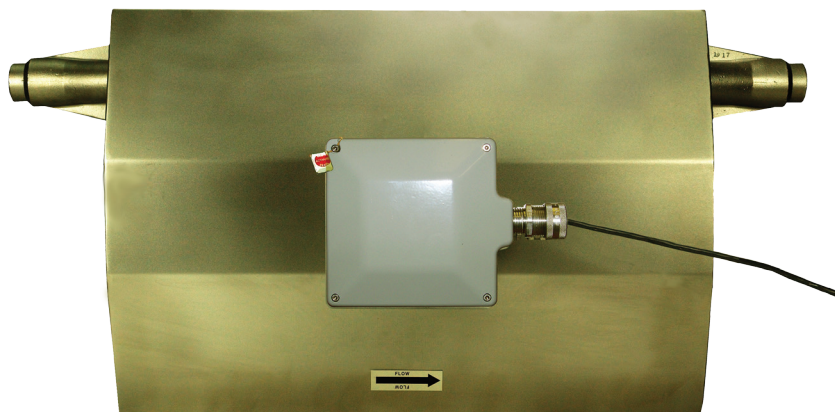
IP55/NEMA 4X

Terminal Size:

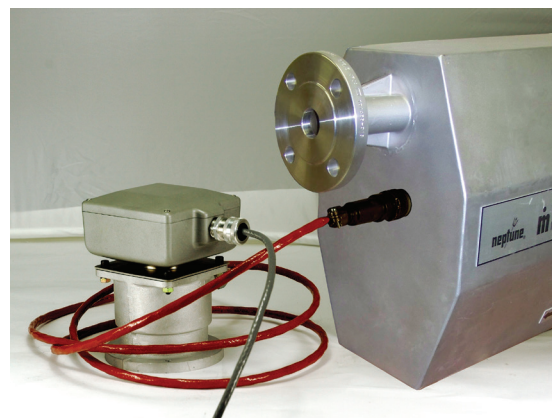
14-18 AWG



Electronics Module and Connections



Integrally Mounted



Remotely Mounted

Accu-Flo 1-800-921-2228
www.accuflo.com

1310 Emerald Road
Greenwood, SC 29646
USA
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MEASUREMENT**

