

SX500 - Ex-Proof Flow Transmitter

Compatible with Turbine and PD Flow Meters

Introduction

The SX500 is a rugged, explosion-proof flow transmitter designed for operation with mechanical flowmeters (e.g., turbine and positive displacement flowmeters) in potentially explosive hazardous areas.

Key Features & Display

Display Type: OLED

Readouts: Instantaneous flow, totalized flow, alarm indicators

Instantaneous Flow: 5-digit display

Totalized Flow: 13-digit display

Alarm Functionality

Output Options (Configuration Dependent)

Analog Output: 1x 0(4)–20 mA

Alarm: 2x alarm relays

Communication: Modbus-RTU RS485

Pulse Output: 1x frequency signal



Specifications	
Power Supply	12...30VDC / 95...240VAC, Max. 2.2W
Analog Output	0...20mA / 4...20mA
Frequency Output	Optocoupler Isolated Output
Alarm Output	2 x Relays. Contacting Capacity 220VAC 2A
Communication	Modbus RTU RS485
Ambient Temperature	-40...140°F (-40...60°C)
Display	5-digit Instantaneous Flow
	13-digit Total Flow
	Volume Unit: m ³ / L / gal / FT ³
	Time Unit: day, hr, min, sec
	Refresh: 1s
Accuracy	0.01%
Ex-Proof Marking	EX db IIC T6 Gb
Material	Body Housing: Die-cast Aluminum
	Sensor Housing: 304 SS
	Window: Glass
	Sealing: FPM
Electrical Connection	M20 Cable Gland
Protection Class	IP65

Dimensions in mm (inch)

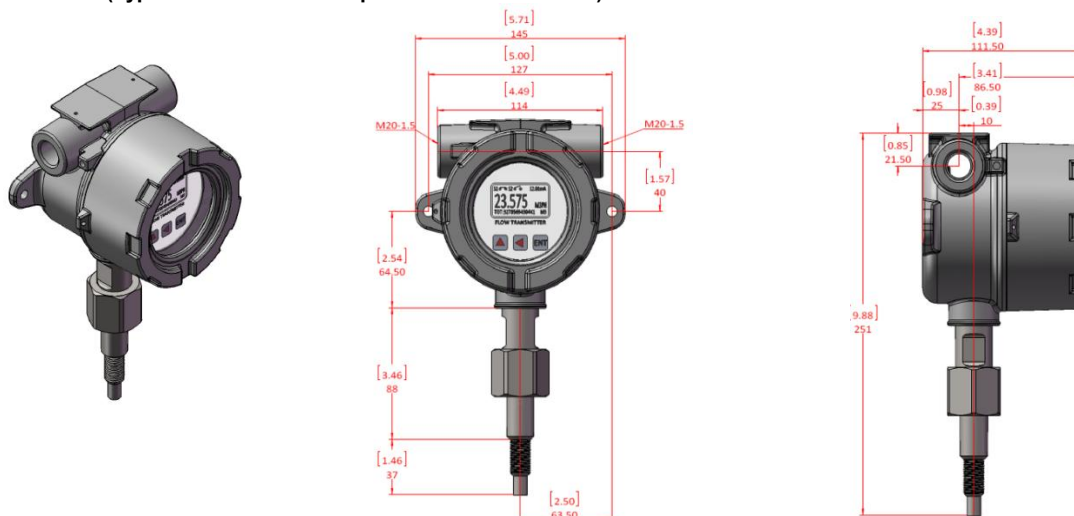
SX500...R... (Type R: RF Pickup for Turbine Flow Meters)



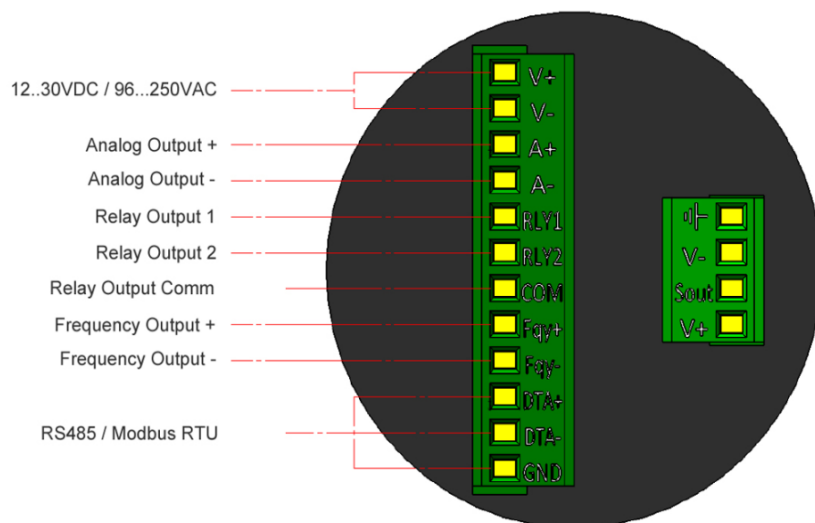
SX500...V... (Type V: Magnetic Pickup for Turbine Flow Meters)



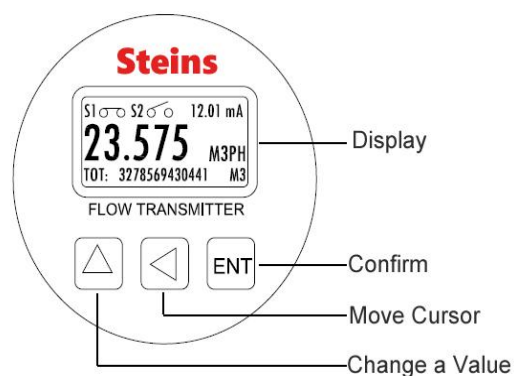
SX500...G... (Type G: For Positive Displacement Flow Meters)



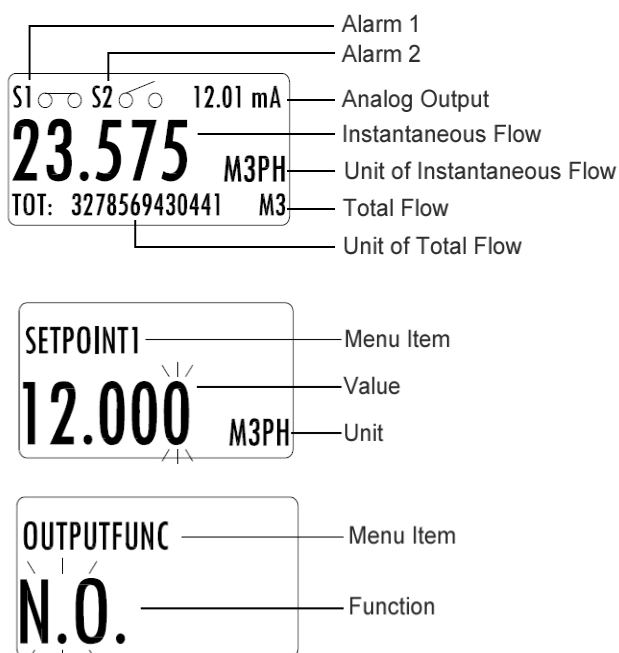
Wiring



Display Panel



Settings



Order Code

1. Model

SX500- Ex-proof Flow Transmitter

2. Sensor

V Magnetic Pickup for Turbine Flow Meters
 R RF Pickup for Turbine Flow Meters
 G For Positive Display Flow Meters

3. Transmitter

F Integrated Type
 R Remote Type