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

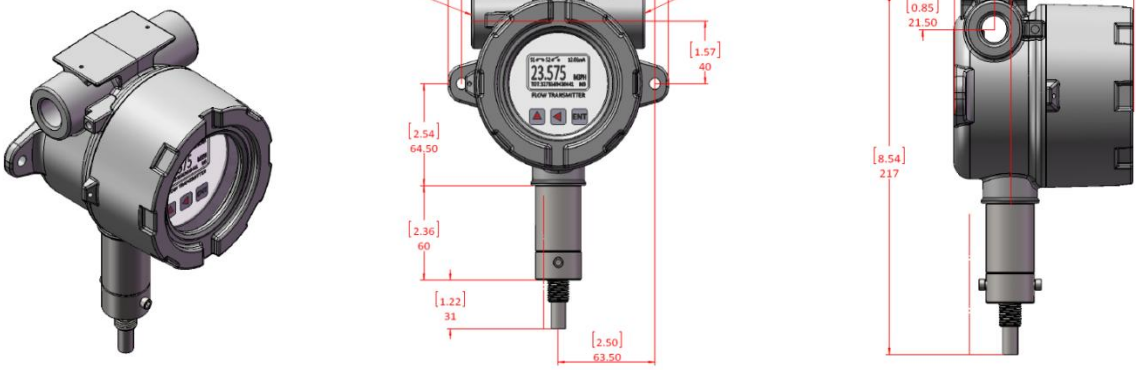
Output Options (Configuration Dependent)
Analog Output: 1x 0(4)–20 mA
Alarm: 2x alarm relays
Communication: Modbus-RTU RS485
Pulse Output: 1x frequency signal

Specifications

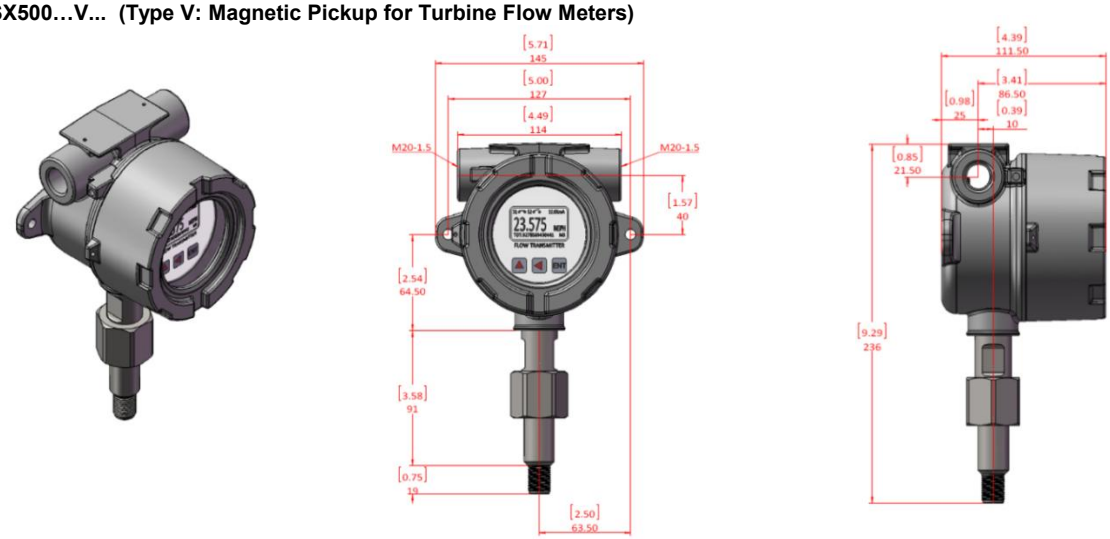
Power Supply	12…30VDC / 95…240VAC, Max. 2.2W
Analog Output	0…20mA / 4…20mA
Frequency Output	Optocoupler Isolated Output
Alarm Output	2 x Relays. Contacting Capacity 220VAC 2A
Communication	Modbus RTU RS485
Ambient Tmeperature	-40…140°F (-40…60°C)
Display	5-digit Instantaneous Flow
	13-digit Total Flow
	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)

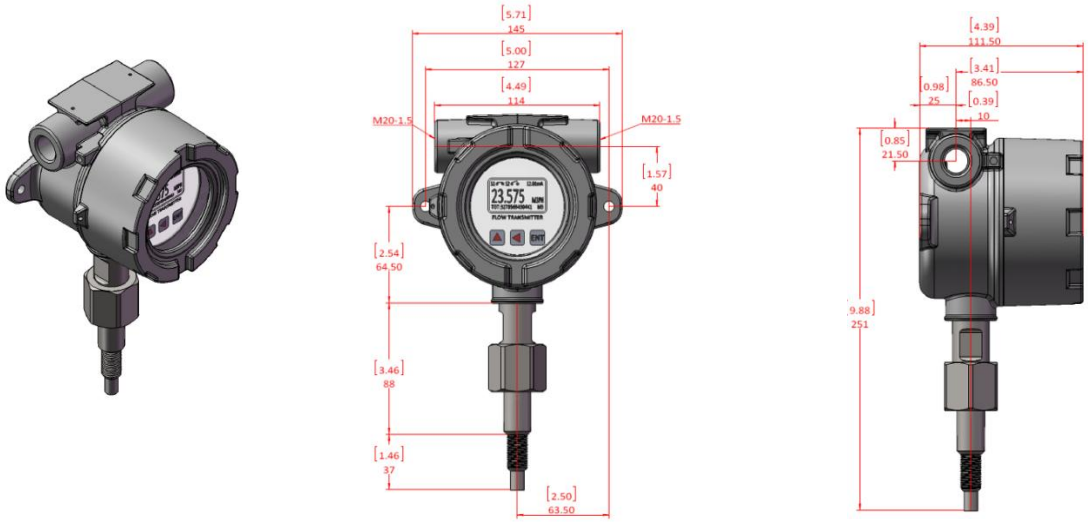
SX500…R... (Type R: RF Pickup for Turbine Flow Meters)



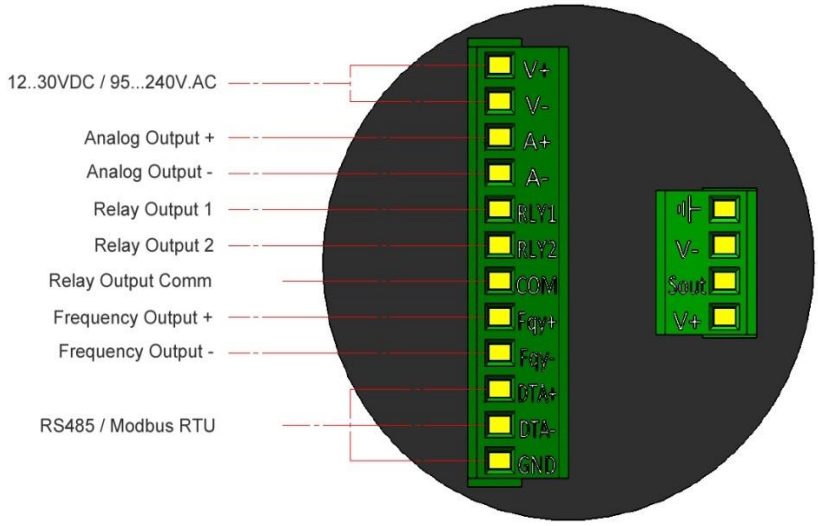
SX500…V... (Type V: Magnetic Pickup for Turbine Flow Meters)



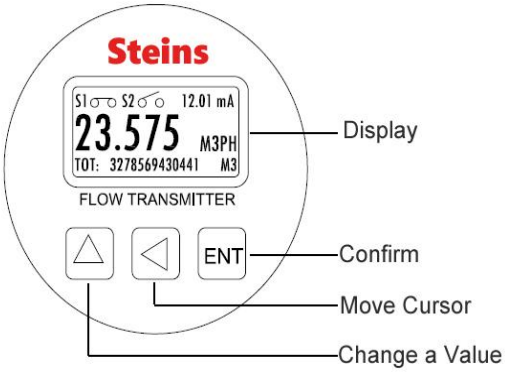
SX500…G... (Type G: For Positive Displacement Flow Meters)



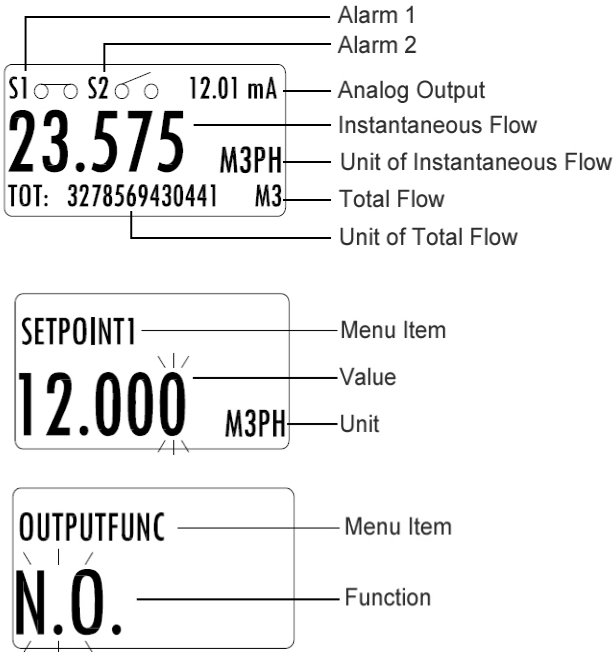
Wiring



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