



STT3150 FLOW MONITOR

The STT3150 Series flow monitor is a flexible, durable, easy-to-use platform for your flow metering applications. Our trusted flow metering technology now offers a new flow monitor with more options and features than ever before with the ST-T3150 Series. The ST-T3150 monitor is suitable for application in a wide variety of metering needs.

STT3150 FLOW MONITOR W/ HART

STT3150-02

FEATURES

- Explosion-proof according ATEX, IECEx, FM and CSA c-us
- Integrated HART 7 communications protocol
- USB communication for configuration using a programming cable
- Display shows flow rate, total, measuring units and a flow rate indicating speedometer
- Power requirements: Loop powered or battery
- Modbus RS485 communication option
- Sixteen-point linearization of the flow curve, with interpolation
- Operational temperature – 40...158° F (– 40...70° C)
- Easy K-factor and engineering unit configuration for volumetric or mass readings

SPECIFICATIONS

Enclosure Rating	NEMA 4x, NEMA 7, NEMA 8, NEMA 9, IP66, IP67
Enclosure Dimensions	4.41 × 5.24 × 5.83 in. (112 × 133 × 148 mm) W × H × D
Entry Thread	2 × 3/4 in. NPT (T1), 1 × 1 in. NPT (T2)
Hazardous Area CSA c-us / FM	Class I, Division 1, Grps A, B, C, D
	Class II/III, Division 1, Grps E, F, G
	Class I, Zone 1, AEx d IIC T6/T5 Gb
	Zone 21, Aex tb IIIC T85° C/T100° C Db
Power Requirements	Battery powered: Long life Lithium battery; lifetime depends on settings and configuration; Up to approx. 3 years NOTE: The battery can power the backlight for a short time after a keypad touch
	Power supply: 9...27V DC; Consumption max. 3W
Displayed Information	Linearized flow rate and/or total; Linearized total and accumulated total; Indicating speedometer for flow rate; Total can be reset to zero
Data Protection	EEPROM backup of all settings; Backup of running totals every minute; Data retention is 10 years; Configuration settings can be password protected