STBT3100 Flow Monitor

The STBT3100 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 STBT3100 Series.

STBT3100 FLOW MONITOR

STBT3100-02

APPLICATIONS

The STBT3100 monitor is suitable for application in a wide variety of metering needs. A few of the more common industries are:

- Secondary oil recovery applications
- Remediation and reclamation
- Fracture/refracture
- Coal bed methane
- Regulatory compliance and environmental accountability
- Industrial chemicals
- Aggressive chemical processing applications
- Semiconductor manufacturing
- Fertilizer production and dispensing
- Pesticide manufacture
- Liquid batching and water cooling

FEATURES

- Explosion-proof according ATEX, IECEx, FM and CSA c-us
- Rugged 1 in. NPT thread for flow meter mounting
- Data logging to survey information
- USB communication for configuration using a programming cable
- Modbus RS485 communication option.
- Easy configuration via PC with free downloadable software
- Easy K-factor and engineering unit configuration for volumetric or mass readings
- Display shows flow rate, total, measuring units and a flow rate indicating speedometer
- Seven-digit flow rate/total and 11-digit accumulated total
- Easy configuration with clear alphanumerical display
- Auto backup of settings and running totals
- Power requirements: Loop powered or battery
- Operational temperature – 40…158° F (– 40…70° C)
- Sixteen-point linearization of the flow curve, with interpolation
- Field operation via through-the-glass keypad

SPECIFICATIONS

Display	Common: Simultaneously shows Rate and Total; 5 x 7 Dot Matrix LCD, STN Fluid 6 Digit Rate, 0.5 inch (12.7 mm) numeric 7 Digit Total, 0.5 inch (12.7 mm) numeric Engineering Unit Labels 0.34 in. (8.6 mm) Annunciators: Alarm 1, Alarm 2, Battery Level, RS485 Communications (COM)
Power	FM Intrinsically Safe, Explosion Proof, NonIncendive / ATEX Intrisically Safe, Flame Proof, NEPSI, IECEx Flame Proof and Intrisically Safe, Type N, EMC and PED Conformity