



Highlights

- Works with third-party turbine flow meters
- Provides local reading of flow data
 - Instantaneous rate
 - Totalizer
 - Today's totals
 - Yesterday's totals
- Up to a 10-year battery life
- Advanced local LCD display interface
- Self-contained, rugged design
- Installs in minutes
- IP66, -20 °C to 70 °C (-4 °F to 158 °F)
- Class I, Division 1 (Zone 0), Intrinsically Safe



Self-Contained Local Read Flow Totalizer

Works with a Third-Party Turbine Flow Meter

The OleumTech® HS1000-FT1 Flow Totalizer (Local Read) is designed to work with virtually any third-party turbine flow meter, measuring accumulated flow rates. Real time flow rates and volumes may be accumulated and displayed in barrels, liters, gallons, or cubic meters per second, minute, hour, or day. The HS1000-FT1 provides a 2-pin pickup coil connector and a 1-inch mating union for connecting to a turbine meter. The push button LCD interface allows for device configuration and instant access to process data, which is updated every second.

Durable Construction / Class I, Division 1, IS






The HS1000-FT1 Flow Totalizer is certified for use in Class I, Division 1 (Zone 0) hazardous locations. It is Intrinsically Safe and can be serviced without being removed from the process. This ultra low-power device is powered by a replaceable battery pack that provides up to a 10-year life.

Technical Specifications

HARDWARE FEATURES

Device Functionality	· Liquid Flow Totalizer (Local Read)
Embedded Controller	· Ultra-Low Power RISC Microcontroller with Internal FLASH (Field Upgradeable)
Configuration	· Integral LCD with Push Button Interface
Input	· 15-3300 mV, 0-10 kHz
Power Source	· Self-Contained, Internal 3.6 Vdc Lithium Battery
Internal Battery Life	· Up to 10 Years
Local LCD Display	· 32-Character Display (16x2 Lines) with 4 Function Keys + External Scroll Button
Instant Displayable Read	· Current Flow Rate / Totals / Today's Totals / Yesterday's Totals

CERTIFICATIONS & COMPLIANCE

Safety     	· Class I, Division 1, Groups A, B, C, D T3C; Ex ia IIC T3
	· Class I, Zone 0; AEx ia IIC T3
	· ATEX: Sira 13ATEX2142X; Ex ia IIC T3 Ga; II 1 G
	· IECEx: SIR 13.0054X; Ex ia IIC T3 Ga

MECHANICAL SPECIFICATIONS

Dimensions	· 5.5" (W) x 13.1" (H) x 4.4" (D) / 140 mm (W) x 333 mm (H) x 112 mm (D)
Package Dimensions	· 10.25" (W) x 14" (H) x 6.5" (D) / 260 mm (W) x 356 mm (H) x 165 mm (D)
Package Weight	· ~7 lbs / 3.2 kg
Connection Fitting	· 1" NPT Female, 1" Mating Union to Flow Turbine Included
Enclosure Casing Material	· Type 4X Aluminum; IP66
Mating Assembly	· 304 Stainless Steel
Magnetic Pickup Coil Connection	· 2-Pin Circular Connector (Part # MS3106A-10SL-4S)

GENERAL SPECIFICATIONS

Operating Conditions	· Ambient Temperature: -20 °C to 70 °C (-4 °F to 158 °F)
	· Humidity: 0 to 99 %, Non-Condensing
Warranty	· 2-Year Parts and Labor
Country of Origin	· USA

ORDERING INFORMATION

Model Number	· HS1000-FT1
Replacement Battery	· Use OleumTech SX1000-BP3 Only