



CALSCAN

precision
temperature pressure
& flow measurement

HAWK 9500 LIQUID FLOW LOGGER

PRECISION LIQUID FLOW TOTALIZER

The Hawk 9500 flow monitor has been designed for the environmental rigors of the wellhead and for long term operating cost efficiencies. Using its innovative features it will reduce your operating costs by making your data collection more efficient as well as reducing the overall installation price.

The simplicity and ease of use for the operator are integral to this flow computer design. The data collected from this unit is critical for production accounting purposes as well as optimization of the well itself.

Features

- Displays rate and total simultaneously.
- Easy to read LCD display with operating temperature from -40 to +60C.
- Up to 16 point linerization.
- Optional three turbine pulse inputs.
- RS 485 modbus protocol and SD card download for easy data retrieval.
- Interface software available at no charge.
- Class 1 Div. 1 explosion proof or IS certification.

Data Retrieval

To minimize this cost and to optimize productivity the Hawk 9500 provides three different ways of reporting flow rates:

- Read the Forty day flow log via the onboard LCD Display.
- Download via the onboard SD flash card slot. With CalWin our windows software will process the data and automatically email a data file to your production accounting department.
- Access the RS-485 Modbus communication. If your SCADA system has an ENRON compliant driver, all the flow logs can be downloaded automatically.



Specifications:

Power Requirements

Power: Two 3.6 VDC Lithium C or A cells

Battery Life: Three to four years

Inputs

Optional three turbine inputs.

4 to 20 mA input for BS&W

Pressure and temperature sensors (IS model only)

API 11 Flow Correction

Safety

EX Model: Class 1 Div 1 Explosion Proof

IS Model: Class 1 Div 1 Group A, B, C, D

Environmental

Operating Temperature -40°C to +80°C

Operating Humidity: 5 to 95%

Non-condensing

Communication Options

Field Bus

Intrinsically safe HazNet RS 485

Protocols

ENRON ModBus

Modicon ModBus

Programming and Reporting

Provided at no charge

CalWin for Windows 98/2000/XP/Vista

Complete configuration and real time data

Month end reporting

Detailed Database Capacity

10 Second log: 35 days of history

1 Minute log: 200 days of history

5 Minute log: 800 days of history

15 Minute log: 5 years of history

30 Minute log: 15 years of history

1 Hour log: 25 years of history



SD Card Download Standard Option



Hawk 9500 IS Model Field Install

For warranty, calibration, replacement battery, and local distributor information contact:



E-mail: sales@calscan.net
Website: www.calscan.net
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