FLOW RATE INDICATOR CUM TOTALIZER











96 X96 TOUCH LCD

96 X96 16 X 2 LINE LCD

IP-55,65 HOUSING-FIT

FLAMEPROOF HOUSING-FIT

Com. Protocol- RS-485 / Ethernet TCPIP / Wireless RF / GPRS-GSM

Flow Monitoring and data Logging SCADA Available

INTRODUCTION

Flow Indicator Totaliser LF - 1000 is compact and easy to use, designed for monitoring the continuous flow rate and total flow. The flow rate along with engineering units is displayed on the upper line of LCD/LED display and the totalizer flow is displayed on 8/10 digits on the second line. The micro controller based design makes it more flexible and powerful compared to conventional flow totaliser. The unit is suitable for use with any flow transmitter giving pulse or analog current output. The display has floating decimal point position, which is programmable from the front panel. The unit has inbuilt relay outputs for Flow rate and Totaliser of alarm or control application.

LFIA Flow totaliser are available for liquid and gas duties and are available as field/ wall mounting or alternatively in an explosion proof housing to the latest international standards and will work with orifice any type of flow meter. Options include pulse and/or 4-20mA retransmission or communications outputs to printers or SCADA control systems.

FEATURES

- Accepts Universal inputs 4-20 mA or 0-10 V or pulse (3 & 2 wire) input type.
- Non-volatile memory to retain totaliser flow, no need to battery change.
- Potential Free Relay contact output 2 x Flow and 2 x Totaliser.
- Liner or Square root input selections with 0.1% Accuracy.
- + Isolated 0/4-20mA retransmission output proportional to standard flow rate.
- Field operated user friendly menu for device configurations & calibration.
- 8/10 digit Flow Totaliser with password protected resetting.
- Fully password protection for Tamper free operation.
- Isolated Highly communicative serial interface facility (RS 232/485).
- + 24 V loop power supply for Flow Transmitter.
- Optional GSM mobile connectivity for wireless remote reading purpose.(SMS)
- Flow Metering computer software Available.
- Weather proof or flame proof housing.

APPLICATIONS

- **Chemical Batching int**
- **Hazardous Areas**
- **Tank Farm Level Monitoring**
- **Brewery Batch Controllers**
- Oil Storage Depot Deliveries
- **Effluent Discharge Metering**
- Storage Tank Steam Trace
- Heating
- Crude Oil/Water Cut Measu.
- **High Pressure Gas Transfer**
- **Terminal Automation Software**
- **LPG Distribution**
- **BULK SOLVENT DELIVERY**







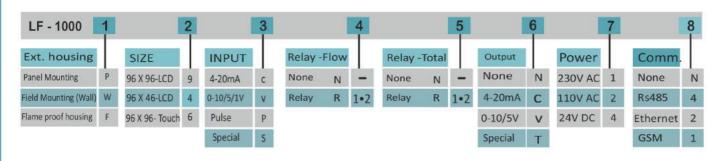
FLOW RATE INDICATOR CUM TOTALIZER



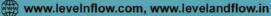
TECHNICAL SPECIFICATION:

INPUT	Input Type	Currant : 0 ~ 20mA DC , 4~20mA DC
		Voltage : 0-5V/1-5V, 0.5 -2.5V/0- 10V DC
		Pulse : 3 wire PNP, NPN & 2 wire NAMUR type
	Transmitter power supply	24 V DC @ 30 mA max, isolated from I/P & O/P
	Input mode	Linear or Square root
	Range limits	As per input range Table
	Accuracy	+/- 0.1 % of span for linear & RTD, +/-0.25 % for T/C
	Input impedance	>330 K for Voltage ,mV, and T/C, 100 R for current
INDICATION	Indication	TOUCH LCD TYPE : 3.5 inch touch screen 5 digit Flow rate & 10 digit Totaliser.
		LCD TYPE: 5 digit Flow rate & 10 digit Totaliser-16x2 line back lite
	Status indication	LEDs for Relay status & Communication
	Alarm modes	Very Low / Low / High / very High
CONTROL MODE	On Off control	Relay / SSR
	Dead Band controls	High and Low Set point for level application
ОИТРИТ	Relay Output SSR Output	NO - C - NC Contacts , 5A@240 V AC Resistive
		1 / 2 Relays / SSR output
	Transmitter Power	24VDC @ 20 mA ,12VDC @ 20 mA
	Retransmission Current & Voltage outputs	0~20/ 4~20 mA, 0~5V, 0~10V, 1~5V DC, fully 3 port isolated
COMMUNICATION	Communication Protocol & mathod	Modbus RTU RS- 485/RS- 232 or Ethernet Communication
	Programmable parameter & Max No.	Baud rate, Parity , Node address , Stop bit & 0-256 unit
	Wireless Communication	GSM/GPRS base mobile(sms) Communication
PROGRAMMBALE PARAMETERS	Setpoint / Hysteresis / High scale / Low scale	Full range as per input selection.
	Relay Logic	F.S. high & low alarm, Dead band alarm
	Display resolution	-1999 to 9999 fully configurable for linear input
	Programming of parameters	Through 4 tactile keys
OTHER	Dimensions & Mounting	As per box selection & wall/structure 2/2 holes
	(A) Supply voltage (B) Power consumption	(A) 110/230 AC/24VDC, 50/60 Hz (B) 4 watts maximum
	Operating ambient Temperature and Humidity	0~50 °C , and humidity : Below 90%, non condensing

ORDERING INFORMATION:









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