

## FLOW INDICATING TOTALIZER

MODEL:( FIT-7500 )



- **DESIGNED TO SCAN, MONITOR AND CONTROL UPTO 16 PROCESS VARIABLES**
- **MICRO CONTROLLER BASED**
- **UNIVERSAL INPUT (ACCEPTS J,K,S,T,E,N,R,Pt100,50mV,10V or 4-20mA)**
- **SOFTWARE LINEARISATION**
- **BUILT-IN COLD JUNCTION COMPENSATION FOR THERMOCOUPLE INPUT**
- **THREE WIRE LEAD LENGTH COMPENSATION FOR RTD INPUTS**
- **SOFTWARE LOCK**
- **RS485/ RS 232 SERIAL PORT ON MODBUS PROTOCOL FOR DIGITAL COMMUNICATION**
- **CHANNEL SKIPPING FACILITY**
- **AUTO MANUAL SELECTION FACILITY**
- **IMMUNE TO FURIOUS SIGNAL PICK**

### DESCRIPTION

Teletherm's Micro controller based FLOW INDICATING TOTALIZER model FIT – 7500 is designed to compute the flow rate from the signal received from flow transmitter and integrate the same for total flow indication. Input to the totalizer is 4 – 20mA DC and if the signal is received from the DP transmitter, totalizer does the square root function before further processing. The process values are displayed at 4-digit 7-segment display and optional 64segment bar graph display. The cumulative value is indicated through 6 digit 7segment display. The instrument is equipped with four alarm set points and correspondingly four relay change over contacts are available as relay output. The optimal bar graph indication is presented as a continuous, precisely controlled display, which is flicker-free. The Micro controller and its associated Electronics have been designed to offer Maximum Reliability suitable for industrial environment.

## **SPECIFICATIONS**

### **DISPLAY**

Digital Display (Flow Rate) : 4 digit 7 segment, 000.0 to 999.9  
Digital Display (Cumulative) : 6 digit 7 segment, 0 to 99999.9

### **RESOLUTION**

ACCURACY :  $\pm 1.0\%$  FS  
RESPONSE TIME : 200 ms, typical  
INPUT IMPEDANCE : 50 Ohms  
PROGRAMMABLE PARAMETERS : a. Pass word configuration  
b. Alarm configuration  
c. Set point settings  
POWER SUPPLY : 240V  $\pm 10\%$ , 50 Hz AC  
POWER CONSUMPTION : 10 V A Maximum  
COMMON MODE : Greater than 100 dB  
REJECTION (DC to 60 Hz)  
INSULATION RESISTANCE : More than 100 M Ohms with 500V  
DC between input / power line

### **SETPOINT OPTIONS**

Standard : Lo , Hi  
Configuration (flow Rate) : V.Lo,Lo /Lo, Hi / Hi , V. Hi  
Set point adjustments : Programmable from front panel  
keypad  
Accuracy :  $\pm 0.5\%$   
Hysteresis : 0.0 to 9.9 counts (Configurable)  
Contact type : One change over contact (SPDT)  
Contact rating : 10A / 230 V AC / 24 V DC

### **CLIMATIC CONDITIONS**

Operating Temperature Range : 0 – 50 Deg. Celsius  
Storage Temperature Range : 0 – 60 Deg. Celsius  
Humidity : 4 – 95 % RH (non – condensing)

### **EXTERNAL CONNECTION**

Power : 3 Pin Allied Connector  
Signal I/P , Alarm O/p : Screw type terminals

### **MOUNTING**

Flush panel - vertical

### **CONSTRUCTION**

Casing : MS black powder coated

### **DIMENSION**

Bezel : 97mm X 97mm  
Cutout : 92 mm X 92 mm

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#### **MANUFACTURED BY:**

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