

The Need For Every
Process Industry

SPINK CONTROLS[®]

An ISO 9001:2015 Certified Company



FLOW INDICATOR TOTALIZER (FIT)

MODEL: SC / R - 1400

FLOW

FLOW INDICATOR TOTALIZER (FIT)

MODEL: SC / R - 1400



FEATURES

- Dual functionality flow rate indication / 8 digit flow totalizing and Batch Counter mode.
- User configurable flow rate range.
- Field settable flow totalizing rate.
- Relay outputs - Optional for Batch or Set point operation.
- 24VDC 100 mA Excitation Supply for external use.
- Retransmission output - Optional.
- Serial communication port with MODBUS protocol - Optional.
- Flameproof enclosure - Optional.



OPTIONAL

- Type of input 4-20 mA Linear / Square root type.
- Relay output for 2 set points on flow rate or One for Flow rate and one for totalizer (Batching) relay.
- **FIT** also provides linear 4 - 20 mA true retransmission signal for other panel mounted instruments like recorders, controllers etc.
- Serial connectivity on RS485 port with MODBUS RTU protocol.

APPLICATIONS

Flow Indicator Totalizer model instrument with multi-functionality viz. Flow Rate indication, Flow Totalizing, batch counter & alarm for instantaneous flow. It accepts mA signal proportional to flow rate from flow transmitter. Flow Transmitter can be DPT with orifice assembly, Rotameter, Magnetic Flowmeter etc. with output of 4-20 mA.

FIT displays instantaneous flow rate on 5 digit LED Display. Flow Rate and Totalizer range can be configured as required even at site. Totalizer is a 8 digit LED Display. Totalizer can be reset manually or remotely as optional. The unit incorporates two relays, from which one can be used for alarm for instantaneous flow & one for batch counter or both for alarm. On each set point one contact output is given, which can be used for control or hooter applications. Power Supply for external transmitter (24VDC @ 100mA) is a standard feature. It eliminates need of separate power supply to power the transmitter. For batch counting, batch count can be set. When flow total equals preset count, system gives a contact output. It can be used for control operations like dosing, stoppage etc.

ENGINEERING SPECIFICATION

INPUT	: 4-20 mA DC LINER OR SQUARE ROOT CORRESPONDING TO FLOW RATE FACTORY SET
DISPLAY	: 7 SEGMENT LED, 5-DIGIT FLOW RATE, 8-DIGIT TOTALISER
KEYBOARD	: 4 KEY TRACK-TILE KEYBOARD
RESOLUTION	: 4 & ½ DIGIT FOR FLOW RATE
ACCURACY	: ± 0.3% OF FS, ± 1 LSD (FLOW) & ± 2 COUNT (TOTALISER)
TOTALISER	: 8 DIGIT TOTALISER FOR FLOW
SCALING	: FLOW RATE & TOTALISER, SPAN AND ZERO ARE SCALABLE BY FRONT KEYPAD
DATA STORAGE	: TOTALISER VALUE & SET POINTS STORED IN BATTERY BACKUP RAM
LED INDICATIONS	: LED INDICATIONS FOR RELAYS & SERIAL COMMUNICATION.
EXCITATION	: 24 VDC, 100 mA EXCITATION SUPPLY FOR EXTERNAL FLOW TRANSMITTER
RE-TRANSMISSION (OPTIONAL)	: TRUE 4-20 mA RE-TRANSMISSION OUTPUT FOR EXTERNAL INDICATORS/ RECORDERS OR PLC. MAXIMUM LOAD RESISTANCE 500 Ω
REMOTE RESET (OPTIONAL)	: REMOTE TOTALISER RESET FACILITY THROUGH POTENTIAL FREE SWITCH INPUT
ALARM OUTPUT (OPTIONAL)	: RELAY OUTPUT FOR 2 SET POINTS ON FLOW RATE OR ONE FOR FLOW RATE & ONE FOR TOTALISER (BATCHING) RELAY
SERIAL PORT (OPTIONAL)	: RS 485 PORT WITH MODBUS RTU PROTOCOL FOR ON-LINE COMMUNICATION
SUPPLY	: 230 VAC OR 110 VAC ± 10%, SINGLE PHASE, 50 Hz FACTORY SET
CONNECTIONS	: ON SCREW TYPE CONNECTORS
CABINET	: PANEL MOUNTING TYPE. BEZEL : 96 x 96mm (H x W) DEPTH : 120mm CUTOUT : 92 x 92mm (H x W)



SPINK CONTROLS®	
Head Office	Plant
303, SIDDHARTH TOWER, G.P. PAI ROAD, KOPRI, THANE(E) - 400 603 MAHARASHTRA, INDIA Fax : +91 22 2532 4845 Phone : +91 22 2532 8223 +91 22 2532 8224 Email : info@spinkcontrolsindia.com	GALA No. F-4 A WING, UDYOG BHAVAN-2 ADDITIONAL AMBERNATH, INDUSTRIAL AREA, ANAND NAGAR MIDC AMBERNATH, Dist - THANE 421501 Phone : +91 9594991196 Email : rupa.thakkar@spinkcontrols.com

