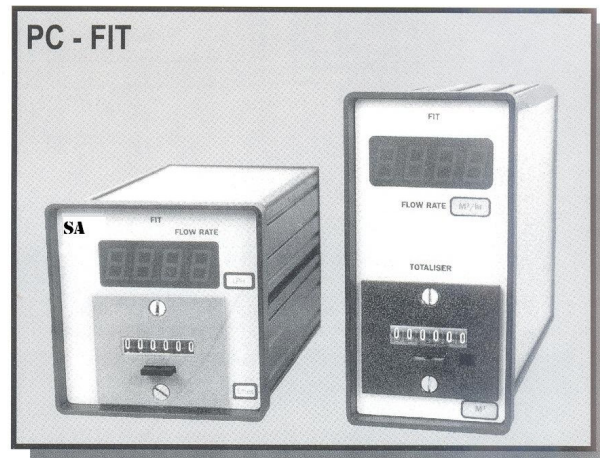


FLOW INDICATER & TOTALISER

Features

- ◆ Ruggedised, State-of-art solid state electronics.
- ◆ Dual functionality Flow rate Indication & Flow totalising.
- ◆ User configurable flow rate range
- ◆ Field settable flow totalising rate
- ◆ Transmission signal for flow Recording as standard features.
- ◆ Square root extraction & batch counter model option features.



Description

Flow Indicator Totaliser model **PC-FIT** is a panel mounted instrument with dual functionality viz. Flow Rate Indication & Flow Totalising. It accepts 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 or 1-5 V DC. **PC-FIT** displays flow Instantaneous rate on 3 1/2 digit Led display. Flow rate range can be configured as required even at site. Units of flow rate can be configured as per customer's requirement.

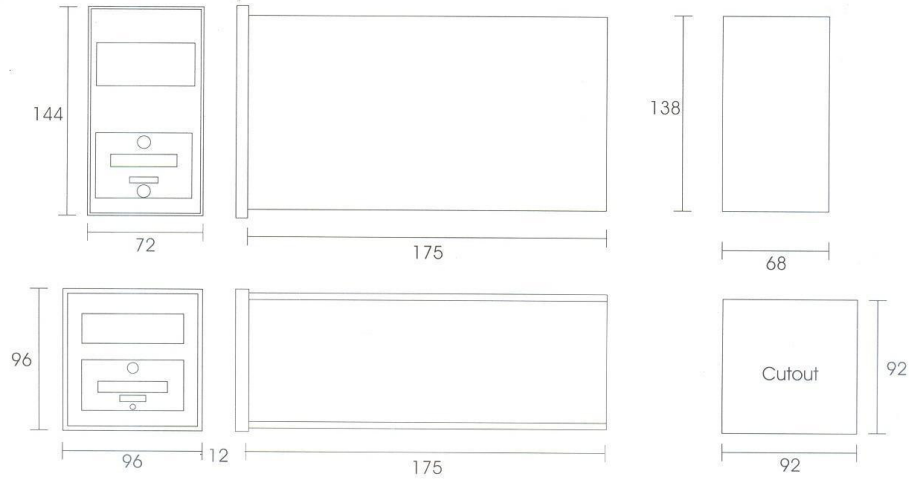
Flow rate signal is converted into pulses. These pulses are totalised on a totaliser. Totaliser can be 6 digit electromechanical counter 8 digit LCD totaliser. Totalised rate can be adjusted for pulse/min as desired. Totaliser can be reset manually.

Power supply for transmitter (24 V DC @120 mA) is a standard feature. It eliminates need of seperate power supply to power the transmitter. **PC-FIT** also provides linear 4-20 mA signal for other panel mounted instruments like recorders, controllers etc.

PC-FIT is also available in batching counter mode . Batch count can be manually set by thumbwheel switches. When flow total equals preset count, **PC-FIT** gives contact output. It can be used for control operations like dosing, stoppage etc.

Another option is built in square root extractor which is required in case of Differential Pressure transmitter with orifice assembly used as flow transmitter.

Dimensional Drawing



All dimensions are in m.m.

ORDERING INFORMATION						
PC FIT	1	2	3	4	5	6
1)	Control supply					
A	230 V AC, $\pm 10\%$, 50 Hz Power supply					
B	110V AC, $\pm 10\%$, 50 Hz Power supply					
C	24 V DC					
2)	Input					
A	4 - 20 mA DC Input, Linear or Square					
B	1 to 5 V DC Input Linear or Square					
3)	Totaliser					
A	6 digit Electromechanical counter					
B	8 digit LCD counter					
C	6 digit LED counter					
4)	Enclosure					
A	DIN 72 (W) X 144 (H) X 175(D) mm					
B	DIN 96 (W) X 96 (H) X 200 (D) mm					
C	DIN 96 (W) X 144 (H) X 225 (D) (For Alarm & Batch Counter)					
5)	Option					
A	Re Tx output					
B	Square root Extractor					
6)	Option					
A	with two Alarm Contact					
B	with batching counter and one potential Free contact					
	Totaliser rate - Counts/unit					
	Flow rate - Range & units					

TECHNICAL SPECIFICATIONS	
Power supply	230 V/110 V A.C $\pm 10\%$ 50 Hz Or 24V D.C
Input Size	4 - 20 mA DC or 1-5 V DC Linear / Square root
Flow rate Indicator	3 1/2 digit LED display
Totaliser	6 digit electromechanical 8 digit LCD, 6 digit LED
Totalising rate	1- 60 pulses/ min, higher rates possible for LCD or LED Totaliser.
Batch count	Upto 9999
Tx P.S.	24 V DC 120 mA
Re-transmission	4 - 20 mA DC, load 600 ohms
Mounting	Flush panel
Accuracy	$\pm 0.3\%$ of F.S., ± 1 digit (Flow) ± 2 count (totaliser)
Op. Temp.	5-55°C
Ambient temp. Effect	250 PPM
Size	DIN 72 (W) x 144(H) x 175(D) mm DIN 96 W) x 96 (H) x 200(D) mm DIN 96 (W) x 144 (H) x 225 (D) mm (For Alarm & Batch Counter)

S A ELECTRONIC

15 D, 4th Floor, Sagar Corner, Near Nashik Phata, Kasarwadi,
Pune - 411034 Tel. : 27111582 Telefax : 020 - 27111583

E-mail : saelectronics@vsnl.net

Visit us at : www.saelectro.com