

# FIT - DL

(With USB Facility)



## Features

- ❑ Ruggedised, State-of-the-art Micro-controller based system.
- ❑ Dual functionality flow rate indication / 8 digit flow totalizing.
- ❑ User configurable flow rate range.
- ❑ Field settable flow totalizing rate.
- ❑ Datalogging capacity of 43000 readings plus 100 million in pendrive.
- ❑ Facility to download data to USB Pen drive
- ❑ 24VDC 100 mA Excitation Supply for transmitter.
- ❑ Serial Data downloading from RS232 port.
- ❑ Parallel printer port for Dot-Matrix printer.

## Application

Flow Indicator Totalizer model **FIT-DL** is a panel mounted instrument with multi-functionality viz. Flow Rate indication, Flow Totalising, real time data logging 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-DL** 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.

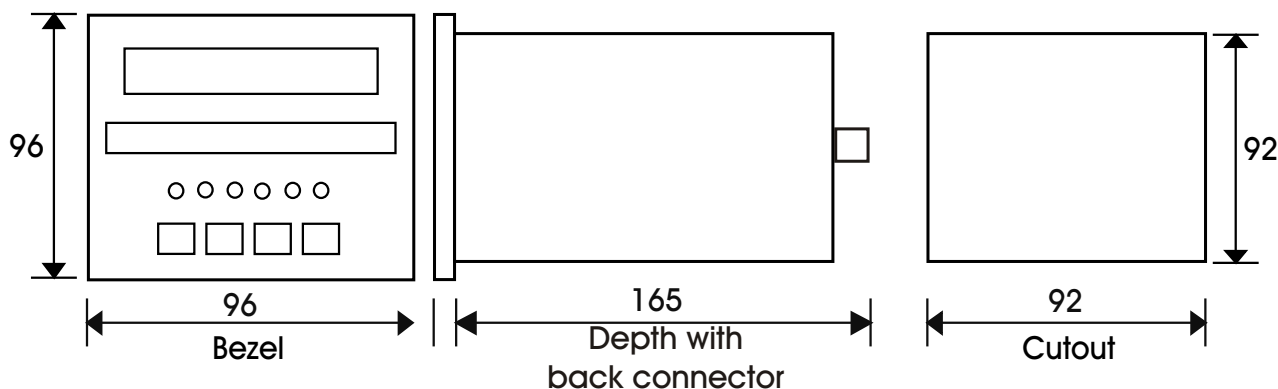
Power Supply for external transmitter (24 V DC @ 100 mA) is a standard feature. It eliminates need of separate power supply to power the transmitter.

Logging Interval is programmable from 1 second to 240 minutes from front keypad. Data logging capacity of unit is 43000 readings which is equivalent to @298 days data recorded at 10 minutes interval. This data can be downloaded to pendrive. For higher memory requirement you can directly store upto 100 million readings in pen drive.

Dot Matrix parallel printer port is provided for taking printout of data logged or for on-line printing of Flow and Totalizer Values. A unique Date-wise offline printing facility of internal logged data is provided.

## Dimensional drawing

All dimensions are in mm



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## TECHNICAL SPECIFICATIONS

<b>Input</b>	4 - 20 mA DC Linear or Square root corresponding to flow rate, Factory set.
<b>Display</b>	7 Segment LED, 5 - Digit Flow rate, 8 - Digit Totaliser.
<b>Keyboard</b>	4 Key Tack-tile Keyboard.
<b>Resolution</b>	4 and 1/2 digit for Flow rate.
<b>Accuracy</b>	± 0.3% of FS, ± 1 LSD (Flow) and ± 2 Count (Totaliser ).
<b>Totaliser</b>	8 Digit Totaliser for flow.
<b>Scaling</b>	Flow Rate and Totaliser, span and zero are scalable by Software.
<b>Settings</b>	All Settings are stored in battery backup RAM.
<b>LED Indications</b>	LED indications for Memory full, Serial Communication.
<b>Excitation</b>	24 VDC, 100 mA excitation supply for external Flow Transmitter.
<b>Printer Port</b>	Dot Matrix parallel printer port.
<b>Memory Capacity</b>	Internal Memory for 43000 readings capacity. Additional 100 million readings possible on external pen drive.
<b>Serial Port</b>	RS232 port
<b>Supply</b>	230 VAC or 110 VAC, ±10 %, Single Phase, 50 Hz. Factory set.
<b>Connections</b>	RS232 on 9 pin D type & Printer port on 25 pin D type. All other connections on Screw Type Connectors.
<b>Cabinet</b>	Panel mounting type. Bezel: 96 x 96mm (H x W) Depth: 165 mm Cutout: 92 x 92 mm (H x W)

## ORDERING INFORMATION

**FIT - DL- Sx- RTx**

**S = Supply; 0= 230VAC; 1 = 110VAC**  
**RT = Retransmission; 0= No; 1 = Yes**

**Note :** Due to continuous development specifications may change without prior notice


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