

# Flow Rate Totalisers



IM 1900 Series Indicators are Microcontroller based, digital and highly versatile indicator series.

Flow ratemeters / Totalisers are for measuring flow of liquid / gases. Different models are available to accept inputs as

- 4-20 mA signal
- Pulses
- Unbalance bridge inputs
- 0-10 / 100 mV etc.

Thus it can be interfaced to wide range of sensors. Various options as Alarm relay outputs, Retransmission of signal, setpoint etc. are available. Flow Loggers are available to log the information in memory with options of direct print out or PC Software. Modbus connectivity makes it suitable to connect to any SCADA Software as well.

## FEATURES

- Microcontroller based highly versatile and reliable digital circuitry.
- Dust proof membrane keyboard for programming.
- Input from
  - Pulses
  - 4-20 mA / 0-10 mA / 0-100 mV
  - Unbalance bridge
- Different models with Four digit display / Six digit display / Independent display for Totaliser etc. are available.
- One preset count with relay output at preset count. (Optional)
- Option of 4-20 mA signal output corresponding to flow.
- Selectable decimal point for flow.
- Battery back up to retain totaliser count in case of power fail.
- External Reset input to reset totaliser count.
- Size 96 x 96 x 150 mm.

## MODELS

Flow rate totaliser is available in following models

- IM1911 : Flow Rate Indicator / Totaliser with LCD
- IM1912 : Flow Rate indicator / Totaliser 6 digit LED display
- IM1913 : Flow Rate Indicator Totaliser with 4 / 6 digit LED display
- IM1912 L : Flow Rate Indicator / Totaliser with Data Logging Option

Options

- 4-20 mA transmission
- Setpoint with relay output
- RS232 serial interface for PC / Printer



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