



Introduction

The 97RA Digital Flowrate Indicator has been designed for use with turbine or pelton wheel flowmeters having a low level signal output sinusoidal or square wave. The six digit LED display can be scaled to read in any desired flow units, eg litres per minute, cubic metres per hour, etc.

All controls for factorising, decimal point selection, high and low alarm settings, etc, are located at the front of the instrument, but hidden behind the front panel, thus preventing unauthorised tampering.

An additional facility available within the unit is dual input operation, whereby the signal from 2 flowmeters may be compared, and the ratio of frequencies displayed. A version is available with a fully scaleable 4-20mA output - Model 97RAE.

Advantages

- Large clear LED display of flowrate.
- Concealed factor adjustments.
- Concealed decimal point selection.
- Low input levels acceptable.
- Wide frequency range.
- Fast response to flowrate changes.
- DIN standard panel size.
- Non volatile memory.

97RA with front panel removed showing function switches

Technical data

Display	6 digit LED 14mm height
Decimal Point Variable	by pushbutton
Input signal	20mV rms minimum protected to 110V rms
Output signal (97RAE)	4-20mA
Frequency	1Hz to 10kHz
Impedance	15kohms
Output	10V DC unregulated 80mA
Accuracy	0.05% of reading ± 1 digit
Scaling	0.001 to 0.9999 selectable
Connections	Rear panel terminal screws
Supply	120/240V 50/60Hz 6VA load 8-13 Volts DC
Temperature	0-50°C operating -20 +80 store
Dimensions	96 x 48 x 104mm deep Cut out 92 x 43mm
Weight	0.5kg
Housing	moulded from black glass filled Noryl.

