



Model IT300N LINEARIZED RATE INDICATOR & TOTALIZER



Model IT300N industrial remote totalizer/rate indicator is a battery powered device that provides flow totalization and rate indication in most engineering units. Additionally, 10-point linearization is available to enhance accuracy and extend a flowmeter's linear flow range. Rate and total are displayed by a 4-digit and an 8-digit liquid crystal display respectively. Alternate power can be provided by an external DC power supply or by a current loop.

Features:

- 10-point linearization
- Mounts remotely or directly on the flowmeter
- Display function externally initiated
- Reset by internal push button or external contact closure
- Explosion-proof or wall-mount enclosure
- Pulse and analog outputs
- Battery powered
- Displays rate and total simultaneously
- Display has selectable decimal on rate and total
- Low-battery indicator

Model IT300N Specifications

Display:

Totalizer: 8-digit LCD 0.2"
 Rate Indicator: 4½-digit LCD 0.35"
 Rate Display: Updates every 2s
 Rate Descriptors: sec/min/hr
 Totalizer Descriptors: gal/lit/ft3/m3/lbs/kilo

Power input:

Battery: 2 size-C lithium (2 yr. typ.)
 External: 8.5-30VDC @ 5mA
 Loop: 8.5-30VDC

Flowmeter input:

Frequency: 0-3500Hz
 Sensitivity: 30mV p-p

Analog output(proportional to flow rate):

Current range: 4-20mADC (reverse polarity protected)

Digital pulse output:

Voltage output: 5VDC typ.
 High: 4.0VDC, Min. (4mA load)
 Low: 1VDC Max. (4mA load)
 Note: Pulse output is scaled

Accuracy:

Display: ±0.01% reading
 Analog output: ±0.15% F/S @20°C
 Digital output: ±1 count

Engineering units:

English and Metric engineering units available selectable through the front keypad

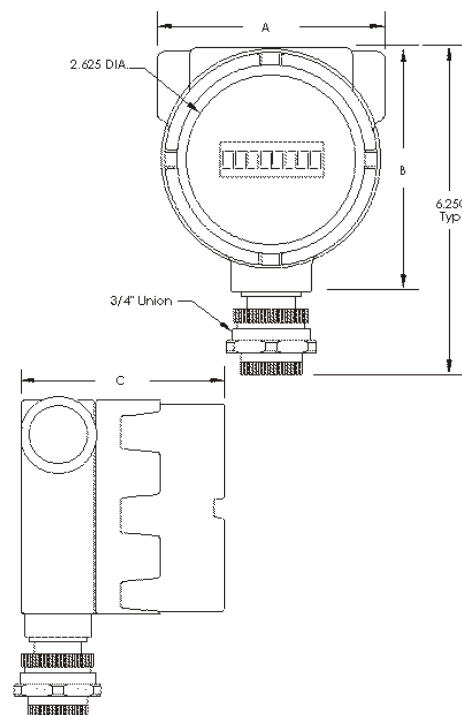
Temperature:

Operating: 22-158°F(30-70°C)

Enclosure:

Class I, Division1, Groups B, C, & D
 Class II, Division 1, Groups E, F, & G

Dimensions



Unit	A	B	C
IT150N	4.500	4.500	3.500
IT200N	4.500	4.500	3.500
IT275N	4.500	4.500	3.500
IT300N*	5.000	5.000	4.750

Dimensions in inches

*Note. The IT300N is provided with two holes in the body not shown in the above figure which allow panel mounting. The holes are 5.25" apart and approx. 2.5" from the top of the unit.