

1/8 DIN 6-Digit Rate Meter/Totalizers

INFCTRA Series



INFCTRA 1/8 DIN, and flow sensor, and fitting, shown smaller than actual size.

- ✓ Measures Rate from 0.5 Hz to 30 kHz
- ✓ Totalizes Up or Down from -99,999 to 999,999 or Acts as Accumulating Stopwatch
- ✓ 6-Digit, 7-Segment LED, 14.2 mm H (0.56")
- ✓ Sensor Excitation Output)

Signal Input Choices (Selectable by DIP Switch)

- ✓ TTL Compatible with Protection to 25V
- ✓ Low Level (25 mV rms)
- ✓ High Level Signals Protected to 115V
- ✓ NAMUR
- ✓ Open Collector PNP or NPN

Communications and Control

- ✓ RS232 Output Optional
- ✓ Optional Dual 5A Form C Relays
- ✓ Analog Output, Scalable, 4 to 20 mA, 0 to 20 mA, 0 to 10V (Optional)

Specifications

Functions: Rate and totalize selected by menu
Display: 6-digit, 7-segment red LED display Inputs
Type: Single input. TTL, CMOS, NPN open collector, contact closure and magnetic pickup compatible; selected by DIP switch. Non-isolated.
Level: Max 60V; min 25 mV rms
Frequency: 30 kHz max
Excitation: Regulated, 5.0, 8.2, or 12.4V selected by DIP switch, 100 mA max
Accuracy: ±0.5 LSD of total; 0.01% of the rate ±1.5 LSD
Setpoints: Two, optional
Alarm Outputs: Optional
Communication: RS232, analog output, optional
Rate Measurement Technique: 1/x
Gate Time: 0.30 sec
Decimal Point: Programmable or autoranging
Trigger Slope: Selectable by DIP switch
Leading Zeros: Blank
Power: 115 or 230 ±15% Vac
Dimensions: 48 H x 96 W x 152 mm D (1.9 x 3.8 x 6")
Panel Cutout: 45 H x 92 mm D (1.8 x 3.6")
Weight: 454 g (1 lb)

The INFCTRA ratemeter/totalizer offers user programming via the 5 front-panel keys. Scale factor can be programmed from -99,999 to 999,999 (any decimal point, multiply or divide), while offset can be programmed from -99,999 to 999,999 (any decimal point).

Programs are stored in non-volatile memory, with three levels of program lockout for security. Optional features include Hi or Lo setpoints for control or alarm, plus RS232 communication. Fixed decimal point or autoranging is standard.

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Model No.	Description
INFCTRA-0000-R	Rate meter/totalizer, 115 Vac power, red LED display, configured as a ratemeter
INFCTRA-0000-T	Rate meter/totalizer, 115 Vac power, red LED display, configured as a totalizer
INFCTRA-0010-R	Rate meter/totalizer, 115 Vac power, red LED display, analog output, configured as a ratemeter
INFCTRA-0100-R	Rate meter/totalizer, 115 Vac power, red LED display, dual 5 A relays, configured as a ratemeter
INFCTRA-1000-R	Rate meter/totalizer, 230 Vac power, red LED display, configured as a ratemeter
INFCTRA-1110-R	Rate meter/totalizer, 230 Vac power, red LED display, dual 5 A relay and analog outputs, configured as a ratemeter
Options and Accessories	
,FS	Factory Setup Special Calibration Configuration
-BL	Lens without Newport logo in lieu of standard lens

Ordering Example: INFCTRA-0011-R, a ratemeter/totalizer version with 115 Vac power, analog output and RS232 output