

## KEP Totalizer/Rate Meter

**Low Cost, Pulse Input,  
Totalizer & Ratemeter**



### MINItronic Series

- CSA Approved
- Separate Scaling Factors for A and B Inputs
- Display Rate and Total
- Pulse Input—10 kHz Maximum
- Security Lockout
- RS-422/RS-232 Serial Communication
- NEMA-4X/IP65 Front Panel
- Separate Add/Subtract Simultaneous Inputs
- Quadrature and U/D Direction Control Inputs
- 30 mV Magnetic Pickup Inputs
- 4–20 mA or 0–20 mA Analog Output



### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.  
Order Example: MRT-A-3-1

A - B - C - D

A Basic Unit	
MRT	6-Digits, Counter/Ratemeter
MC2	6-Digits, Counter Only
MR2	5-Digits, Rate Only
B Operating Voltage	
A	110 VAC ±15% or 12 to 15 VDC
B	220 VAC ±15% or 12 to 15 VDC
C	24 VAC ±15% or 12 to 15 VDC
C Count Inputs	
3	Standard, 4–30 VDC Simultaneous Inputs
3M	Mag. Input, Input A Only, 30mV Input (Input B, 4–30V)
3MB	Mag. Input, Inputs A and B, 30 mV input
5	4–30V Pulses on Input A, 4–30V Direction Control Input on Input B
5M	30 mV Pulses on Input A, 4–30V Direction Control Input on Input B
9	Quadrature, Accepts 4–30V Pulses
9MB	Quadrature, Accepts 30 mV Pulses (A and B)
D Control Outputs	
1	RS-232 Communications
2	RS-422 Communications
A	Analog Output (4–20/0–20 mA)
CE	CE Approved Version

NOTE: RS-232/RS-422 and analog output options can not be combined.

## Newport 6-Digit Rate Meter/Totalizer

6-digit ratemeter/totalizer offers user programming via the 5 front-panel keys. Scale factor may be programmed from -99,999 to 999,999 (any decimal point, multiply or divide), while offset may 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 RS-232 communication. Fixed decimal point or autoranging is standard.



### SPECIFICATIONS

Functions:	Rate and totalize selected by menu
Display:	6-digit, 7-segment red LED display
<b>Inputs</b>	
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 maximum
Excitation:	Regulated, 5.0, 8.2, or 12.5V selected by DIP switch, 100 mA max
Accuracy:	± 1/2 LSD of total; 0.01% of the rate ± 1/2 LSD
Setpoints:	Two, optional
Alarm Outputs:	Optional
Communication:	RS-232, analog output, optional
Power:	230 ±15% VAC
Dimensions/Weight:	1.9" H x 3.8" W x 6" D (48 x 96 x 152 mm)/16 oz (454g)
Panel Cutout:	1.8" H x 3.6" W (45 x 92 mm)

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number. Order Example: INFCTRA-0-1-1-0-R

A - B - C - D - E - F

A Basic Unit	
INFCTRA	
B Power and Display	
0	115 VAC, Red LED
1	230 VAC, Red LED
2	115 VAC, Green LED
3	230 VAC, Green LED
C Control Output	
0	None
1	Dual 6 Amp
D Analog Output	
0	None
1	Analog Output
E Serial Output	
0	None
1	RS-232
F Configuration	
R	Ratemeter
T	Totalizer