

Integrating Ratemeter / Totalizer



measuring
•
monitoring
•
analyzing

INT



- Analog Input: 4-20 mA, 0-5 V, 0-10 V, or 1-5 V
- Displays Rate, Total, and Peak or Valley
- Completely User Programmable
- Optional Analog or Serial Communications
- NEMA 4X Front Panel



KOBOLD companies worldwide:

ARGENTINA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CHILE, CHINA, COLOMBIA, CZECH REPUBLIC, EGYPT, FRANCE, GERMANY, GREAT BRITAIN, HUNGARY, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, ROMANIA, SINGAPORE, SOUTH KOREA, SPAIN, SWITZERLAND, TAIWAN, THAILAND, TUNISIA, TURKEY, USA, VIETNAM

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205
☎ Main Office:
1.800.998.1020
1.412.788.4890
✉ info@koboldusa.com
www.koboldusa.com

Description

The KOBOLD INT is designed to allow totalization and rate metering with sensors transmitting analog (voltage or current) signals. Four different DC input variations (0–5 V, 0–10 V, 1–5 V, and 4–20 mA) are possible on all INT configurations. It features a bright, highly visible, red LED display. The unit is completely user configurable through the front touchpad. Two setpoints may be independently assigned to either rate or count monitoring duties. Input parameters are user selectable and peak (highest) or valley (lowest) values may be brought up for viewing. The INT accepts either linear (standard), or square law function signals by offering an optional square root extracting input. Signal retransmission/communication requirements are met by RS-232, RS-422, or 4–20 mA protocols, available as add-on features.



Specifications

Display

Displayed Values: Rate or Total
Display Type: 0.55" Red LED
 5 digit Rate
 6 digit Total

Power

Input: 110 V_{AC}, 220 V_{AC}
 12-24 V_{DC}
 300 mA or 8.0 VA Max.

Excitation: 24 V_{DC} at 50 mA
 Regulated ± 5%
 (w/AC Input Power Only)

Inputs: 1 Analog Channel
 1 Reset Input
Standard: Linear
Optional: Square Root
Impedance
Voltage: 115 kOhm
Current: 100 Ohm

Outputs:
Standard: 2 NPN Collectors
 250mA at 30 V_{DC}
Optional: 2 SPDT Relays 10 A at
 28 V_{DC} or 240 V_{AC} and
 4–20 mA or RS-232
 Port or RS-422 Port

Environmental
Operating Temp: 40...130 °F
Storage Temp: -40...200 °F
Housing: NEMA 4X Front Panel
 NEMA 1 Case

Order Details (Example: INT-3510R)

Model	Function	Operating Voltage	Input	Output	Options
INT-	..1.. = Rate and Total	..1.. = 220 VAC	..1.. = Standard Linear	..0 = None	..R = Two SPDT Relays
	..2.. = Total Only			..1 = RS-232 Interface	
	..3.. = Rate Only	..5.. = 110 VAC	..2.. = Square Law	..2 = RS-422 Interface	
				..3= 4-20 mA	