

## 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



Order from: **C A Briggs Company**  
622 Mary Street; Suite 101; Warminster, PA 18974  
Phone: 267-673-8117 - 800-352-6265; Fax: 267-673-8118  
[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

KOBOLD Instruments, Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205



**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<sub>AC</sub>, 220 V<sub>AC</sub>  
 12-24 V<sub>DC</sub>  
 300 mA or 8.0 VA Max.

**Excitation:** 24 V<sub>DC</sub> 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<sub>DC</sub>  
**Optional:** 2 SPDT Relays 10 A at  
 28 V<sub>DC</sub> or 240 V<sub>AC</sub> 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	