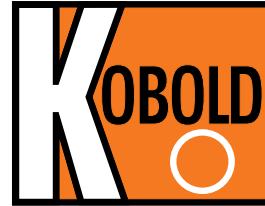


INT INTEGRATING RATEMETER/TOTALIZER



Flow
Pressure
Level
Temperature
measurement
monitoring
control



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

S6



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Model:
INT

Features

- Analog Input 0–5 V, 0–10 V, 1–5 V
4–20 mA or 0–20 mA
- Display Rate, Total, Peak or Valley
- Completely User Programmable
- Analog or Serial Communications
- NEMA 4X front Panel

The Kobold INT series of controllers is designed to allow totalization and rate metering with sensors transmitting analog (voltage or current) signals. Five different DC input variations (0–5 V, 0–10 V, 1–5 V, 4–20 mA and 0–20 mA) are possible on all INT configurations.

Our integrating controller sports a bright, highly visible 7-segment 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 or valley values may be brought up for viewing.

The INT accepts either linear (standard), or square function signals by offering an optional square root extracting input. Signal transmission/communication requirements are met by RS-232, RS-422, or the popular 0(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 VAC, 220 VAC
 12–24 VDC
 300 mA or 8.0 VA maximum

Excitation: 24 VDC @ 50 mA regulated ± 5% (AC units only)

Inputs:

1 analog channel
 1 reset input

Standard: Linear
Optional: Square root

Imped.: Voltage: 115 kohm
Current: 100 ohm

Outputs

Standard: 2 NPN collectors
 250mA @ 30 VDC
Optional: 2 SPDT relays
 10 A @ 28 VDC or 240 VAC and
 0(4)–20 mA or
 RS-232 port or
 RS-422 port

Environmental

Operating Temp.: + 40 °F to + 130 °F
Storage Temp.: – 40 °F to + 200 °F
Housing: NEMA 4X front panel
 NEMA 1 case

Ordering Information

INT-	W = Function	X = Operating Voltage	Y = Input	Z = Output	Options
	W = 1 Rate & Total	X = 1 220 VAC	Y = 1 Standard Linear	Z = 0 None	-R Two SPDT relays
	W = 2 Total Only	X = 5 110 VAC	Y = 2 Square Law	Z = 1 RS-232 interface	-HC High current excitation (100 mA)
	W = 3 Rate Only			Z = 2 RS-422 interface	
				Z = 3 0(4)–20 mA	

To Order: Choose one option from each of the columns titled »W, X, Y and Z«. Assemble the part number by substituting your chosen configurations' numeric value in the part number as: INT-WXYZ. Options are appended to the end, as in: INT-WXYZ-HC-R.

Example: A Totalizer (W = 2), 220 VAC (X = 1), square law input (Y = 2), RS-232 output (Z = 1) and optional relays (-R) is: INT-2121-R.