

Sifam Tinsley Counter

Measure Frequency, Rotational Speed, Period, Pulse Count, Elapsed Time

N30 Series

- Two Counter Inputs
- Count Actual & Total Values
- 3-color, 5-digit LED Display
- AC or DC Operation
- Min/Max Storage
- Math Functions
- Up to 4 Alarm Outputs with 6 Alarm Modes
- RS-485 & Analog Output Options
- Galvanic Isolation - Inputs/Outputs/Power
- 21-point Table Function
- 24 VDC to Power Peripherals



N30

SPECIFICATIONS

Inputs:	Two, 5-36 V dc, galvanically separated
Display:	Three color 5 digit LED, -19999 to 99999; Color changes red/green/orange depending on reading
Serial Communication:	Modbus RTU protocol, 4.8-115 kbits/sec.
Operating Environment:	-25 to 55°C, 25-95% RH, non-condensing
Power Supply:	Line Voltage: 85-253 V dc/ac (40-400 Hz), <6VA Low Voltage: 20-40 V dc/a.c. (40-400 Hz), <6VA
Protection:	IP65 front, IP10 case
Working Voltage (max):	Input to earth: 50V; Power line to earth: 300V; All other circuits: 50V
Isolation:	Galvanic separation between terminals: alarm, supply, inputs, analog output, auxiliary supply, RS-485
Connections:	Plug-in screw terminal blocks
Dimensions:	96 x 48 x 93 mm, 92 x 45 mm panel cutout
Analog Output:	0-20mA /4-20mA (load resistance <500Ω); 0-10V (load resistance >500Ω); Accuracy 0.2% of set range
Relay Outputs:	Standard: 2 SPST (form A), 0.5A @ 250VAC Optional: 2 additional SPDT (form C), 0.5A @ 250VAC
Auxiliary Supply:	24V DC @ 30mA
OC Output:	Passive NPN or PNP, 30V dc max @30mA

Input Signal	Indication Range	Max. f
Number of pulses Cntr1, Cntr2	-19 999 to 99 999	10 kHz/8 kHz
Frequency <10 kHz	0.05 to 99 999 Hz	100 kHz
Frequency >10 kHz	1 to 99 999 kHz	1 MHz
Rotational speed	0.05 to 99 999 rpm	100 kHz
Period t < 10s	0.0001 to 11 sec	100 kHz
Period t > 10s	0.0001 to 3600 sec	100 kHz
Worktime counter	0 to 99 999 hr	---
Current time	00.00 to 23.59	---
Encoder	-19 999 to 99 999	10 kHz

ORDERING INFORMATION

N300-10000U0	5-digit Counter, line voltage supply
N300-11000U0	5-digit Counter, line voltage supply, RS-485, 2 OC outputs, analog output
N300-12000U0	5-digit Counter, line voltage supply, RS-485, 2 OC outputs, analog output, 2 form C relay outputs
N300-20000U0	5-digit Counter, low voltage supply
N300-21000U0	5-digit Counter, low voltage supply, RS-485, 2 OC outputs, analog output
N300-22000U0	5-digit Counter, low voltage supply, RS-485, 2 OC outputs, analog output, 2 form C relay outputs

KEP Totalizer/Rate Meter

Ratemeter/Totalizer/Process Monitor from analog inputs



INT69T

Intellect-69 Series

- High/Low Scaling from Front Panel
- 2 Set Points Assignable To Rate or Total
- Display Rate (Pressure, Level, Watts, Etc.), Peak and Valley and Integrated Total
- 0-5V, 0-10V, 1-5V, 4-20 mA or 0-20 mA Analog Input
- NEMA 4X/IP 65 Front Panel
- 24V Output for Peripherals
- RS-422/RS-232 Serial Communications
- 4-20 mA Output
- Square Root Extraction
- Optional Rate Per Day Feature

ORDERING INFORMATION

To Order—Insert Code for Each Letter to Select Catalog Number.
Example: INT69RT-A-L-1-A-C1

A - B - C - D - E

A	Basic Unit
INT69RT	Ratemeter/Totalizer
INT69R	Ratemeter Only
INT69PM2	Process Monitor (displays -19999 to +49999)
INT69T	Totalizer Only
B	Operating Voltage
A	110 VAC ±15% or 12 to 24 VDC
B	220 VAC ±15% or 12 to 24 VDC
C	Inputs
—	Blank for INT69PM2
L	Linear (standard)
S	Square Law (optional)
D	Control Outputs
1	2-Open Collector Outputs (standard)
2	2-10 Amp Form C Relays (optional)
E	Options (Multiple Options Available)
A	Analog Output (4-20 mA)
D	Rate per Day, Hour or Minute
C1	RS-232 communications
C2	RS-422 communications