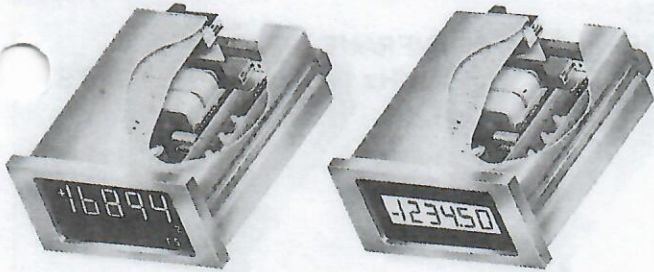


INTEGRATOR/FLOW TOTALIZER MICROCOMPUTER COMPATIBLE MODEL 205



FEATURES

- >SEE PAGE 7 FOR MAINFRAME FEATURES
- >INTEGRATES POSITIVE OR NEGATIVE SIGNALS (UP/DOWN)
- >ACCUMULATES PULSES RELATIVE TO DURATION
- >ANALOG TOTALIZER (V_{in} VS TIME)

SPECIFICATIONS AT 25°C

NOTE: THESE SPECIFICATIONS GOVERN OTHER APPLICABLE SPECIFICATIONS OF MAINFRAMES FOUND ON PAGE 7.

- Accuracy and Linearity---+/- 0.05% of full scale +/- 1 digit
- Drift vs Time (Droop)-----+/- 0.001% of full scale/second
- Drift vs Temperature-----+/- 0.001% of full scale/°C
- Standard Dose of Integration-----1 Count/Second/1mV Input Signal
- Input Type-----Single Ended or Differential, Bipolar, Auto Zero
- Input Integration (Standard)-----1 Meg Ohm into 10PF

NOTE: REFER TO PAGE 7 FOR DESCRIPTION OF MAINFRAME AND OPTIONAL PLUG IN FEATURES.

DESCRIPTION

Dose rate (or integration) is critical in photographic, mask alignment, mass spectrometer, battery charge/discharge and electroplating processes as well as flow totalizing. The 205, with its highly sensitive integrating input amplifier, can control these and other functions where signal vs. time is of concern. DC, sine and other signals are accepted and its capabilities to reverse direction is important in applications such as amp-hour battery charge systems. The rate is easily controlled by an internal or external resistor. TTL compatible commands of stop, reset and integrate facilitate flexibility in all controlling applications.

ORDER INFORMATION

| | | | | | | | |
|--------------------------------|-----------|---|---|---|---|---|---------------------|
| | MODEL 205 | X | X | X | X | X | X |
| DISPLAY TYPE | | ! | ! | ! | ! | ! | ! |
| -0--3 1/2 LED w/Dummy Zero---- | | ! | ! | ! | ! | ! | CASE |
| -1--4 1/2 LED----- | | ! | ! | ! | ! | ! | !----0--Plastic--- |
| -2--4 1/2 LED w/Dummy Zero---- | | ! | ! | ! | ! | ! | !----1--Metal----- |
| -3--3 1/2 LCD w/Dummy Zero---- | | ! | ! | ! | ! | ! | |
| -4--4 1/2 LCD w/Dummy Zero---- | | ! | ! | ! | ! | ! | POWER INPUT |
| -5--3 1/2 LED----- | | ! | ! | ! | ! | ! | !----0--5VDC----- |
| -6--3 1/2 LCD----- | | ! | ! | ! | ! | ! | !----1--115 VAC--- |
| | | ! | ! | ! | ! | ! | !----2--230 VAC--- |
| RATE (DOSE) | | ! | ! | ! | ! | ! | !----3--10 VAC--- |
| Counts/mV/Sec. | | ! | ! | ! | ! | ! | !----4--9-15 VDC--- |
| -0--1/1/1----- | | ! | ! | ! | ! | ! | !----5--7-32 VDC--- |
| CUSTOM SCALING ON REQUEST. | | ! | ! | ! | ! | ! | |

NOTES:

1. Thumbwheel Switches are available for the Digital Limit Option, Order P/N 89-0213 (+/- 3 1/2) or 89-0215 (+/- 4 1/2).

DIGITAL CONTROL OUTPUTS

| | |
|--------------------------------------|-------------------------------|
| !----0--None----- | 8--BCD Encoded----- |
| !----1--BCD Parallel----- | 9--BCD Encoded Opto-Isol.---- |
| !----2--BCD Parallel Opto-Isolated-- | |
| !----3--Peak & Hold----- | |
| !----4--Digital Limit (Note 1)----- | |

EXCITATION & ANALOG OUTPUTS

| | |
|--------------------------------|------------------------------|
| !----0--None----- | 6--24 VDC & 0-2mA DC----- |
| !----1--10 VDC & 0-5 VDC----- | 7--1.8mA DC & 0-5 VDC----- |
| !----2--10 VDC & 0-2mA DC----- | 8--1.8mA DC & 4-20mA DC----- |
| !----3--24 VDC & 0-5 VDC----- | 9--1.8mA DC & 20-4mA DC----- |
| !----4--None & 4-20mA DC----- | |
| !----5--None & 20-4mA DC----- | |

SPECIFICATIONS AND PRICE
SUBJECT TO CHANGE WITHOUT NOTICE