

- ✓ Time Integration of Analog Signals
- ✓ 0/4-20mA, 100mV to 100VDC
- ✓ High precision Integration
- ✓ Momentary and Totalized Values
- ✓ 6 digit display ± 999999
- ✓ Free programmable
- ✓ Four Set Point Relays
- ✓ RS 232 and RS 485 Data Ports



Model OC 7171A-I is a very precise instrument for time integration of analog signals. The heart of the instrument is a programmable counter with input signal conditioner which converts the analog input signal into a precise frequency spectrum. The resulting time integration has very high degree of accuracy and linearity. The momentary value as well as the totalized amount of increments are available at the display and can be selected with the keyboard.

A typical application is a 4-20mA signal input from a flowmeter corresponding to a flow range of e.g. 0-200 liters per minute. The display can selectively show the flow rate 0-200 LPM and the totalized lt, kg, pounds, gallons, m³ etc., depending on the scaling.

The parameters and the display last reading remain stored in a non-volatile memory also when the instrument is switched-off from the power. When the power is switched-on again, the display starts incrementing at the stored value.

The menu contains scaling of the display, setting of two set points and two serial data ports.

SPECIFICATIONS

Display

6 digits, red, 14.7mm display size.

Input

0-100mV to 0-100VDC, 0/4-20mA or customized ranges.

Option Energy measurement of DC- and true r.m.s. The display can be scaled in Ws to kWh.

V-F Conditioner

DC- input signal full scale is converted into 100, 10 or 1Hz, jumper selectable.

Linearity $\pm 0.005\%$ from range

Tempco

Temperature coefficient 20 ppm/K.

Offset-Preset

The additive constant can be set within the range of ± 999999 . The display starts counting at the Offset-Preset value.

Scaling

6 digit multiplication and division.

Set Points (Option)

SP1, SP2 with 5A-230VAC Relays or output transistors 60V/100mA.

Option: SP3, SP4 5A-230VAC Relays.

Serial Data Ports (Option)

RS232/RS485 (4 wire) with 8 bit no parity, 1 start, 1 stop, 300-19200 bd.

The RS485 has a programmable address which permits operation on a data bus.

The serial ports are isolated by 250V r.m.s.

Supply

115V/230V $\pm 10\%$, 50-60Hz.

Option 9 - 36VDC.

Cabinet

DIN 48 x 96 mm x 100 mm.

Panel cut-out: 45 x 93 mm.

IP65 front protection.

Terminals

Pluggable screw terminals.