



PRECISION CURRENT CONVERTOR

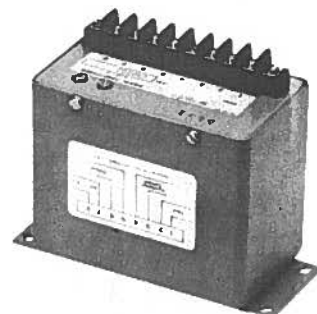
SC-E SERIES

DESCRIPTION

The Model SC-E Series of Precision Current Converters are designed to be interfaced with the OSI line of transducers. Each model will provide a 4 - 20 mA dc output into a 0 to 1500 ohm load. Five standard inputs are available from the list below.

All models are housed in a metal case with a 6 terminal terminal strip mounted on the lid.

"Cal" and "Zero" adjustments are accessible through the lid.



SPECIFICATIONS

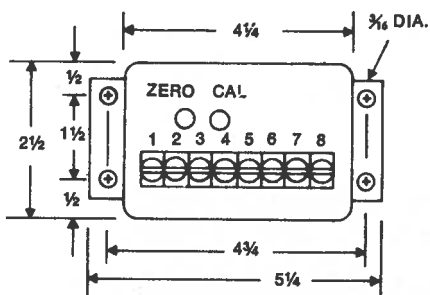
INPUT:

Range: See Table
Overload (without damage): 10 times input
Isolation: (input is not isolated from output)

OUTPUT:

Range: 4 to 20 mA DC
Load on Output: 0 to 1500 ohms
Response Time 99%: 100 M sec.
Ripple: <1% FS
Accuracy and Linearity: $\pm 0.1\%$ FS
Calibration:
20 mA DC at rated input
4 mA DC at zero input
Temperature Effect: -20°C to $+65^{\circ}\text{C}$, $\pm 1\%$
Instrument Power: 115 VAC $\pm 10\%$, 50-400 Hz

MODEL	INPUT SIGNAL	BURDEN ON INPUT
SC-E	0-1 mA DC	1K Ω
SC-E100	0-10VDC	10K Ω
SC-E.5	0-50 mV DC	> 100K Ω
SC-E1.0	0-100 mV DC	> 100K Ω
SC-E1.5	0-150 mV DC	> 100K Ω



TERMINAL SCREWS 6
OVERALL HEIGHT 4 3/8 MAX

