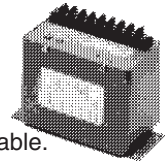


# SIGNAL CONVERTERS

## PRECISION CURRENT CONVERTER

MODEL

CONVERTS DC INPUT TO 4-20mA OUTPUT



### FEATURES

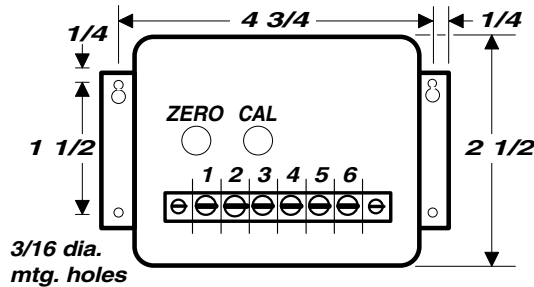
- Accurate to 0.1% of full scale.

### APPLICATIONS

- Interface with OSI transducers, or any devices with output signals listed in the table.

DC INPUT	OUTPUT (mA)	BURDEN (OHMS)	PART NUMBER
0 to 1mA	4 to 20	1K	SCE-001
0 to 10V	4 to 20	10K	SCE-002
0 to 50mV	4 to 20	Grtr. than 100K	SCE-003
0 to 100mV	4 to 20	Grtr. than 100K	SCE-004
0 to 150mV	4 to 20	Grtr. than 100K	SCE-005

4-20mA LOOP-POWERED UNITS AVAILABLE



Case height 4 3/8

CASE DIMENSIONS (INCHES)

### MODEL SCE SPECIFICATIONS

#### INPUT

VOLTAGE: See table

CURRENT: See table

OVERLOAD: 10 times F.S. input

ISOLATION: INPUT IS NOT ISOLATED FROM OUTPUT

#### OUTPUT

OUTPUT: 4 to 20mA

OUTPUT LOADING: 0-1500 Ohms

RESPONSE TIME (99%): 100 milliSeconds

FIELD ADJUSTABLE CAL.: +/- 10%

ACCURACY +/- 0.1% F.S.

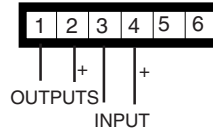
Includes effects of linearity.

TEMPERATURE EFFECT (-20° to 65°C):

+/- 1.0% F.S.

INSTRUMENT POWER (STD.): 115VAC +/- 10%, 50-400 Hz.

Optional 220VAC instrument power-Add suffix "-22"



AC instrument power-terminals 5, 6.

CONNECTION DIAGRAM

## CURRENT-TO-VOLTAGE CONVERTER

LRB

CONVERTS 0-1mA INPUT TO VOLTAGE OUTPUT

DC OUTPUT REQUIRED	LOAD RESISTANCE (OHMS)	PART NUMBER
0 to 500mV	500	LRB-500
0 to 1.0V	1000	LRB-1000
0 to 2.0V	2000	LRB-2000
0 to 5.0V	5000	LRB-5000
0 to 10.0V	10000	LRB-10000

NON-STANDARD RESISTANCE VALUES AVAILABLE  
200 to 10000 Ohms

### MODEL LRB SPECIFICATIONS

ACCURACY +/- 0.1% (500-10000 Ohm models)

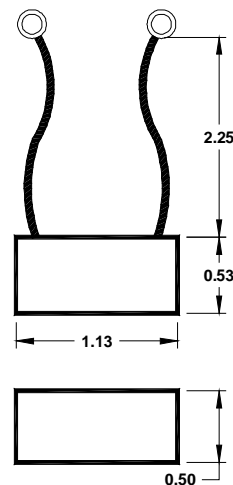
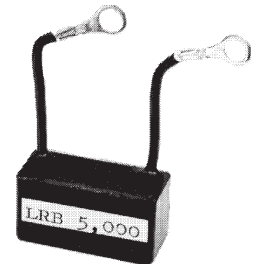
+/- 0.2% (200-499 Ohm models)

TEMPERATURE EFFECT (-20°C to 70°C)

+/- 0.005% per degree C

#### INSTALLATION

Connect LRB terminals to instrument output terminals, attach to instrument with adhesive strip on back of LRB case.



CASE DIMENSIONS (INCHES)