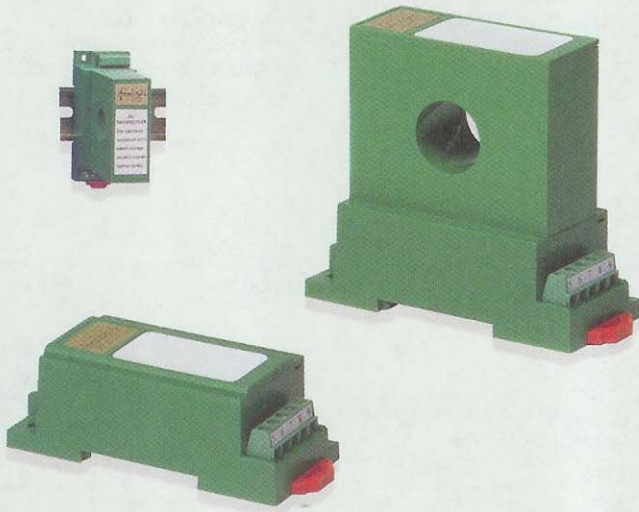


# DC and AC/DC Current and Voltage Transducers



The Series 52 DC Current Transducers are designed to output a DC signal which is proportional to a DC current input signal. These devices are for direct current only, targeted towards general DC current sensing.

The Series 54 AC/DC Current Transducers provide a bipolar output that proportionally reflects the input bipolar current. These devices are specifically designed to be used in applications where multi-mode current sensing is required.

The Series 53 DC Voltage Transducers provide an output DC signal that is proportional to the input DC Voltage. These devices are focused to provide an easy solution to all your DC Voltage instrumentation needs.

## Applications

- Battery Chargers and Systems
- DC Motor Drives
- Power Supply Management
- Mobile Applications
- Power Sensing
- Inverter and Multi-Frequency Drives (AC/DC)
- Multi-mode Ground Paths with AC and DC (AC/DC)
- Panel or DIN Rail mounts

## SPECIFICATIONS

Basic Accuracy	± 0.5% Full Scale	
Thermal Drift	500 PPM/°C	
Operating Temperature	0 to 50 °C	
MTBF	>100,000 Hrs	
Response Time	250 mS	
Insulation Voltage	2500 VDC	
Supply Voltage	24 VDC	
Frequency Range	20 - 5 KHz	
Output Loading	0-5 VDC	> 2000 Ohm
	4-20 mA	0 - 300 Ohm
Case Dimensions	2.99" H x 3.27" W x 1.42" D	
Hole Sizes	0.26" Diameter	

Catalog No.	Series	Description
<b>DC Current and Voltage Transducers</b>		
CR52105	52	DC Current In 0-5VDC out (0-5 Amps)
CR521020	52	DC Current In 0-5VDC out (0-20 Amps)
CR521050	52	DC Current In 0-5VDC out (0-50 Amps)
CR52205	52	DC Current In 4-20mA DC out (0-5 Amps)
CR522020	52	DC Current In 4-20mA DC out (0-20 Amps)
CR522050	52	DC Current In 4-20mA DC out (0-50 Amps)
<b>AC/DC Current Transducers – All Ranges Not Shown</b>		
CR54105	54	AC/DC Current Transducer (0-5A)
CR541020	54	AC/DC Current Transducer (0-20A)
CR541050	54	AC/DC Current Transducer (0-50A)
<b>DC Voltage Inducers – All Ranges Not Shown</b>		
CR531050	53	DC Voltage in 0-5VDC out 0-50V
CR5310200	53	DC Voltage in 0-5VDC out 0-200V
CR532050	53	DC Voltage in 4-20mA DC out 0-50V
CR5310200	53	DC Voltage in 4-20mA DC out 0-200V
<b>Accessories</b>		
NISTCTCA1		NIST Traceable Certificate
NISTCTCA2		NIST Traceable Certificate with Data