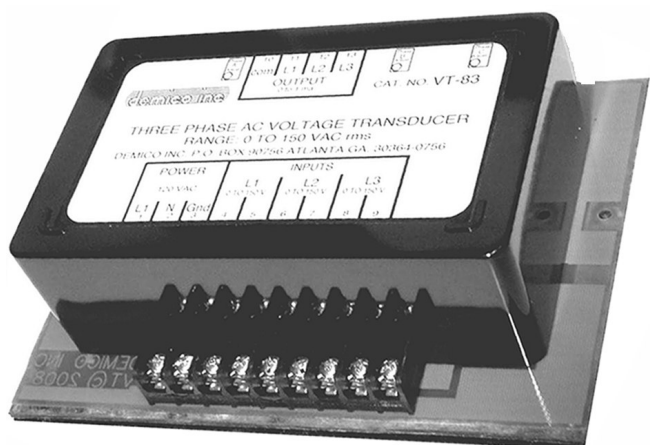


AC Voltage Transducer



- ◆ **Isolated Analog Outputs**
- ◆ **0.25% over temperature**
- ◆ **0-150Vac Input Range**
- ◆ **0 to 1mA dc outputs**
- ◆ **Low monitoring burden**
- ◆ **Electrically Isolated inputs**
- ◆ **AC/DC power inputs available**

APPLICATIONS

REMOTELY MONITOR 3 PHASE POWER SYSTEMS.
REMOTELY DETECT BLOWN FUSES, OPEN CIRCUITS

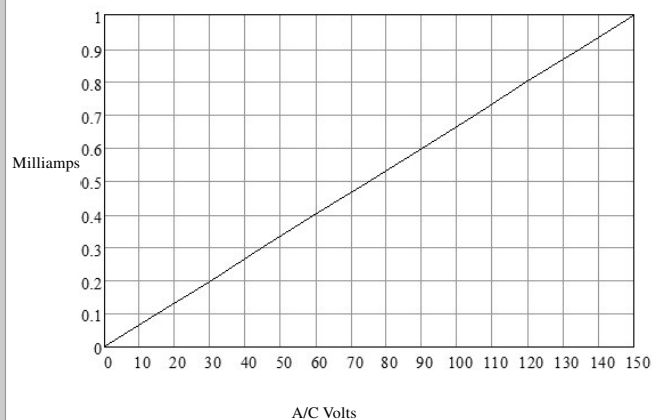
The Demico AC Voltage Transducer provides accurate, affordable, true RMS monitoring of three phase electrical power circuits. Separate power supply input terminals allow an additional phase to be used for power, if desired. Each transducer is isolation tested. Each Voltage signal is processed through true RMS circuitry before being converted to a linear dc output current. A simple resistor from 0 to 10,000 ohms is all that is required to scale and interface to a standard RTU analog input. The transducer output's galvanic isolation from the input terminals eliminates ground loops and ground referenced noise. The transducer will indicate properly up to 20% over the maximum range. The transducer is accurate to 0.25% over a wide temperature range for dependable data even in non climate controlled environments.

The low profile phenolic case mounts easily with two screws, and the terminal strips have built in wire clamps for quick and reliable connections. The label clearly indicates the input range and the numbered input and output terminals for easy installation. The transducer is designed for use in the electrically noisy substation

environment and meets the surge withstand requirements of ANSI standard 37.90.1-1989. The manufacturing process for Demico transducers include:

1. Boards are coated with a polyurethane coating.
2. Burn in for 100 hours at 110 degrees F.
3. Power cycled every 12 hours during burn in.
4. A 1500 Vac isolation test during final testing.

Demico takes these steps to ensure that our transducers provide good service over a long life. Demico's standard 1 year warranty includes parts and labor.



P.O. Box 90756
Atlanta GA 30364-0756
www.demico.com



Telephone (404) 768 2330
Fax. (404)-559-9120

Specifications

Input Range: 0-150Vac

Conversion type: True RMS

Frequency range 45-65 Hertz

Accuracy +/- 0.25% of full scale (0.375Vac)

Output compliance burden 0 to 10,000 ohms

Operating Temperature -30 to +70 degrees C

Humidity (polyurethane coated)

Tested Isolation 1500 Vac

Surge Withstand ANSI 37.90.1-1989

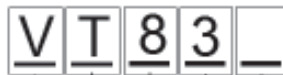
Minimum Input Voltage 50% of Maximum

Enclosure Black Phenolic

Terminals 6-32 with wire clamps

Warranty 1 year Parts & Labor

ORDERING INFORMATION



- 1ST LETTER =PRODUCT IDENTIFICATION
- 2ND LETTER =PRODUCT IDENTIFICATION
- 3RD NUMBER = INPUT VOLTAGE
- 4TH NUMBER = # OF PHASES
- 5TH NUMBER = OUTPUT OPTIONS

- OUTPUT OPTIONS**

 - 1 = 0 -1 mA
 - 2 = 0 -5 VDC
 - 3 = 4 - 20 mA
 - 5 = 4 - 20 mA PASSIVE

