



RMS VOLTAGE TRANSDUCER

MODEL VTR

FEATURES

Accurate measurement of the **true RMS** value of input signals over a wide frequency range.

APPLICATIONS

For use in applications where measurement of nonsinusoidal waveforms is required.

ACCURATE TO 0.25% FULL SCALE



INPUT	STANDARD OUTPUTS MODEL NUMBER VTR-			
AC VOLTAGE	0-1mA	4-20mA	0-10Vdc	0-5Vdc
0 to 150	001B	001E	001D	001X5
0 to 300	002B	002E	002D	002X5
0 to 600	004B	004E	004D	004X5

All std. units require 85-135Vac Instrument Power, (50-400Hz).
Optional 220Vac instrument power Add suffix "-22".

ORDERING INFORMATION

Example: 120Vac Input with 0-10Vdc Output.

VTR-001D

SPECIFICATIONS

INPUT

VOLTAGE See Table
 FREQUENCY RANGE 48 to 420 Hz
 BURDEN 0.12VA F.S.
 OVERLOAD Full Scale Rating
 DIELECTRIC TEST (Input/Output/Case) 1500Vac

OUTPUT

OUTPUT RIPPLE Less than 1.0% F.S.
 RESPONSE (90%) 100 milliSeconds

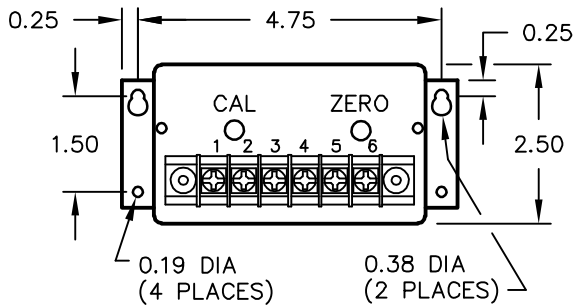
OUTPUT LOADING (OHMS) 0-1mA: 0-10K
 0-5Vdc, 0-10Vdc: 2K min.
 4-20mA: 0-500

FIELD ADJUSTABLE CAL. ± 10%
ACCURACY ±0.25% F.S. (at 60 Hz)

Includes Effects of Linearity and Set Point
± 0.5% F.S. Typical Over Frequency Range

TEMPERATURE EFFECT (-20°C to 60°C): ±1.0% Rdg
 INST. POWER (STD.) 85-135Vac, 50-400 Hz, 3.5VA

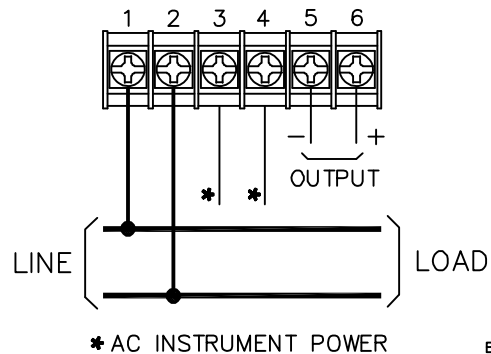
CASE DIMENSIONS



DIMENSIONS IN INCHES
CASE HEIGHT 4.5
WEIGHT 1.5 LBS.

B902-412

VTR CONNECTION DIAGRAM



* AC INSTRUMENT POWER

B902-412

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VTR/B902-412

3/22/00