

VOLTAGE TRANSDUCERS

AC VOLTAGE TRANSDUCER

MODEL AVT

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FEATURES

- Accurate, reliable voltage measurement
- Input/output isolation.
- UL, CUL, CE Recognized



APPLICATIONS

- Designed for use in applications where inexpensive voltage measurement is required.
- Line voltage monitoring.
- AVT150 can be used with higher voltage potential transformers.

INPUT AC VOLTAGE	OPTIONAL OUTPUTS MODEL NUMBER AVT-				
	0-1mA*	4-20mA	4-20mA**	0-10Vdc*	0-5Vdc*
090	090A	090E	090E2	090C	090CX5
150	150A	150E	150E2	150C	150CX5
300	300A	300E	300E2	300C	300CX5
600	600A	600E	600E2	600C	600CX5

*Models are self-powered from measured voltage line.
 **4-20mA loop-powered, E2 models require 15-40Vdc.
 4-20mA, E models require 115Vac instrument power.
 Optional 230Vac instrument power - Add suffix "-22".
 Transducer output is derived from the average absolute value of the input and calibrated as the RMS value of a sine wave input.
 Weight ... A, C, CX5, and E2 Models 0.8 Lbs.
 E models 1.5 Lbs.



AVT-150A

ORDERING INFORMATION

Example: Single phase 120VAC input with 4-20mA output.
AVT-150E

MODEL AVT SPECIFICATIONS

INPUT

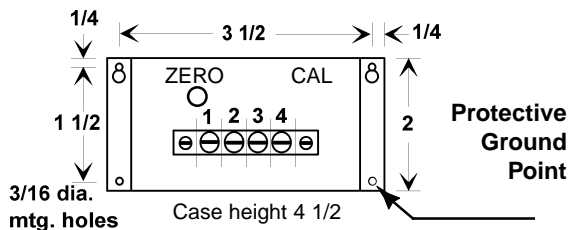
Voltage See tables
 Frequency Range 50/60 Hz.
 Burden 90V, 150V Models 1VA
 300V Models 2VA
 600V Models 3VA
 Overload Full scale rating
 600V Models 575V
 Dielectric Test...(Input/Output/Case) 2200VAC
 Instrument Power (Std. 4-20mA units)
 115VAC, 50-60 Hz., ± 15%, 9.5VA max.
 -22 option: 230VAC, 50-60 Hz., ± 15%, 9.5VA max.

OUTPUT

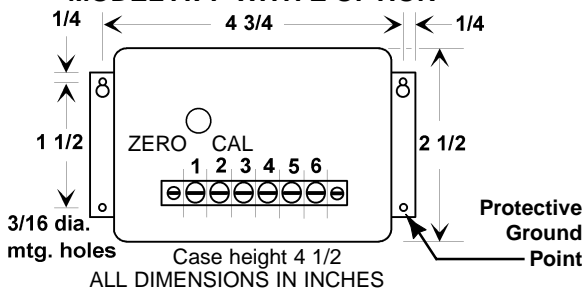
Output Ripple Less than 1.0% F.S.
 Response 400 milliSeconds
 Output Loading (OHMS)
 0-1mA 0-10K
 4-20mA 0-1K
 5 & 10V ≥ 10M
 Field Adjustable Cal. +/- 5%
ACCURACY ± 0.25% F.S. (60Hz.)
 Includes effects of linearity (10-100%) and setpoint.
 Temperature Effect (-20°C to 60°C) ± 1.0% Rgd.

CASE DIMENSIONS

MODEL AVT WITH A, C, CX5, or E2 OPTION



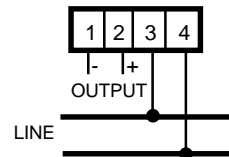
MODEL AVT WITH E OPTION



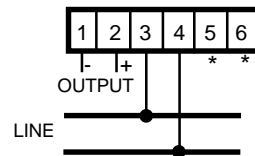
ALL DIMENSIONS IN INCHES

CONNECTION DIAGRAMS

MODEL AVT WITH 0-1mA OR LOOP POWERED 4-20mA OUTPUT



MODEL AVT WITH 4-20mA OUTPUT



*AC instrument power-terms. 5, 6.

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