

VOLTAGE TRANSDUCERS

RMS VOLTAGE TRANSDUCER

MODEL AVTR

ACCURATE TO 0.25% FULL SCALE

FEATURES

- Accurate measurement of the **true RMS** value of input signals over a frequency range of 48-420Hz.

| INPUT | STANDARD OUTPUTS MODEL AVTR- | | | |
|-------|------------------------------|----------|---------|--------|
| | 0-1mAdc | 4-20mAdc | 0-10Vdc | 0-5Vdc |
| 0-150 | 001B | 001E | 001D | 001X5 |
| 0-300 | 002B | 002E | 002D | 002X5 |
| 0-600 | 004B | 004E | 004D | 004X5 |

All std. units require 115Vac, $\pm 15\%$ instrument power, (50/60Hz).
Optional 230Vac instrument power-Add suffix "-22".

APPLICATIONS

- For use in applications where measurement of non-sinusoidal waveforms is required.
- AVTR-001 series can be used with higher voltage potential transformers.



ORDERING INFORMATION

Example:
Single Phase 120Vac Input with
0-10Vdc Output.
AVTR-001D

SPECIFICATIONS

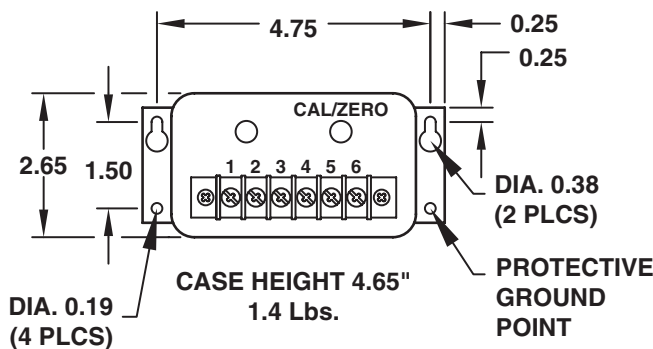
INPUT

Voltage..... See Table
Frequency Range..... 48 to 420Hz
Burden..... 150V $\leq 0.15VA$
300V..... $\leq 0.30VA$
600V..... $\leq 0.6VA$
Overload..... 150V & 300V Model F.S. Rating
600V Model..... 575V
Dielectric Test (Input/Output/Case)..... 2200Vac
Instrument Power
Standard..... 115Vac, $\pm 15\%$, 50/60Hz, 3.5VA
-22 Option..... 230Vac, $\pm 15\%$, 50/60Hz, 3.5VA

OUTPUT

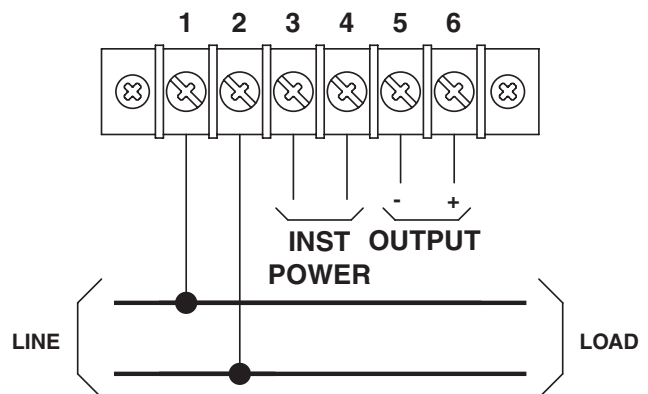
Output Ripple..... <1.0% F.S.
Response (90%)..... 100ms
Output Loading (Ω)
0-1mAdc..... 0-10K
0-10Vdc..... 2K min.
4-20mAdc..... 0-500
Field Adjustable Cal..... $\pm 10\%$
ACCURACY $\pm 0.25\%$ F.S. (@ 60Hz)
Includes effects of linearity & set point.
Typical..... $\pm 0.5\%$ over entire frequency range
Temperature Effect..... (-20°C to +60°C)..... $\pm 1.0\%$ Rdg.

CASE DIMENSIONS



All Dimensions In Inches

CONNECTION DIAGRAM



FLEX-CORE®

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538

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