SINGLE-PHASE AC RMS VOLTAGE TRANSDUCER *MODEL* DVTR-

DIN-RAIL-MOUNTED AC RMS VOLTAGE TRANSDUCER

FEATURES

- Accurate measurement of the true RMS value of the input signal.
- Universal ac/dc instrument power.
- Models up to 600Vac input.

APPLICATIONS

- For use in applications where measurement of nonsinusoidal or distorted waveforms is required.
- Applications that require CE or CSA approval.
- Perfect for installations that require compact packaging.

INPUT	STANDARD OUTPUTS MODEL DVTR-			
AC VOLTS	0-1mAdc	0-10Vdc	4-20mA	0-5Vdc
0 - 90	090B	090D	090E	090X5
0 - 150	150B	150D	150E	150X5
0 - 300	300B	300D	300E	300X5
0 - 600	600B	600D	600E	600X5

All standard units require 85-230Vac/dc instrument power (dc or 40-400Hz.)

DIN-rail lengths available: Consult Factory

ORDERING INFORMATION

Example: 120Vac Input with a 0-10Vdc Output.
DVTR-150D

SPECIFICATIONS

INPUT

Voltage ..... See Table
Frequency Range 50/60Hz
Burden ..... <1VA F.S.
Overload ..... 120% F.S. Rating

DIELECTRIC TEST

Input to Instrument Power/Output/Case 3700Vac
Instrument Power to Output/Case 3700Vac
Output to Case 490Vac

INSTRUMENT POWER

Standard 85-230Vac/dc, 40-400Hz, 3.0VA

TEMPERATURE

Operating Range ..... -10ºC to +55ºC

OUTPUT

Response Time (to 90%) 300ms
Loading
"B" models ..... (0-1mAdc output) 0-15kΩ
"D" & "X5" models .. (0-5, 0-10Vdc) ..... 5kΩ min.
"E" models ..... (4-20mAdc) 0-750Ω

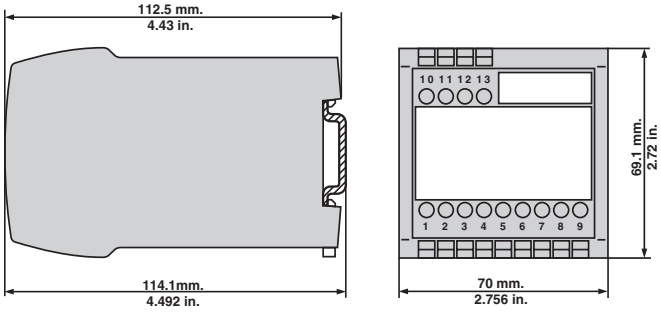
ACCURACY .... ±0.5% F.S.@60Hz

Output Ripple ..... <0.5% pk-pk

PHYSICAL

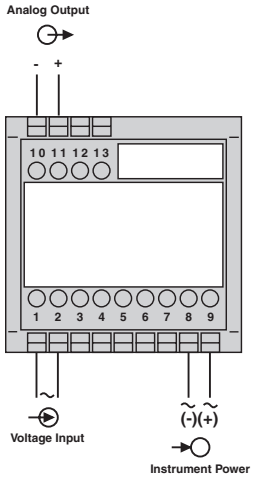
Termination ..... #10 AWG max.
Net Weight ..... 0.7 lb

CASE DIMENSIONS



Mounted on 35mm top-hat DIN-rail.

CONNECTION DIAGRAM



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