

VARIABLE FREQUENCY RMS VOLTAGE *MODEL VT8*

DC - 10000 HERTZ FREQUENCY RANGE

FEATURES

- Provides dc output which is proportional to true RMS value of ac and/or dc input signal.
- Output is electrically isolated from input.

APPLICATIONS

- Accurate measurement of voltage that may contain dc and non-sinusoidal ac components.
- Monitoring of RMS voltage.

INPUT AC VOLTS	STANDARD OUTPUTS MODEL VT8-			
	0 - 1mA	4 - 20mA	0 - 10Vdc	0 - 5Vdc
0 - 10	001B	001E	001D	001X5
0 - 25	002B	002E	002D	002X5
0 - 50	003B	003E	003D	003X5
0 - 100	004B	004E	004D	004X5
0 - 150	005B	005E	005D	005X5
0 - 250	006B	006E	006D	006X5
0 - 300	007B	007E	007D	007X5
0 - 400	008B	008E	008D	008X5
0 - 500	009B	009E	009D	009X5
0 - 600	010B	010E	010D	010X5
0 - 700	011B	011E	011D	011X5
0 - 800	012B	012E	012D	012X5
0 - 900	013B	013E	013D	013X5
0 - 1000	014B	014E	014D	014X5



New Universal Power Supply

MILLIVOLT MODELS AVAILABLE - CONSULT FACTORY

Highlighted models are supplied with an external multiplier module.
All units have a universal power supply 85 - 265Vac, 48 - 420Hz or 110 - 370Vdc instrument power.
Optional 220Vac instrument power - Add suffix "- 22".

ORDERING INFORMATION

Example: 120Vac/dc input with 4 - 20mA output.
VT8 - 005E

MODEL VT8 SPECIFICATIONS

INPUT

VOLTAGE: See tables
FREQUENCY RANGE: dc - 10000 Hz.
BURDEN (ohms): Greater than 100K
OVERLOAD:
10 - 700V: 2 times full-scale rating.
800 - 1000V: 2500V
DIELECTRIC TEST (Input/Output/Case): 2500Vac
INSTRUMENT POWER: 85 - 265Vac, 48-420Hz, 5VA
or 110 - 370Vdc, 5VA

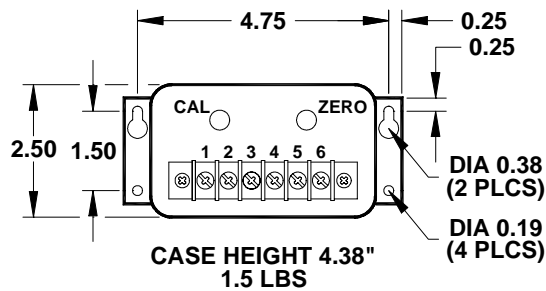
OUTPUT

ACCURACY ±0.25% F.S. (48 - 420Hz)
Includes effects of linearity and repeatability.
RESPONSE TIME: 100 milliseconds
OUTPUT LOADING (ohms):
0 - 1mA: 0 - 10K
0 - 10Vdc, 0 - 5Vdc: 2K min.
4 - 20mA: 0 - 500
FIELD ADJUSTABLE CAL.: ±10%
TEMP. EFFECT (-10°C to +60°C): ±1.0% RDG.

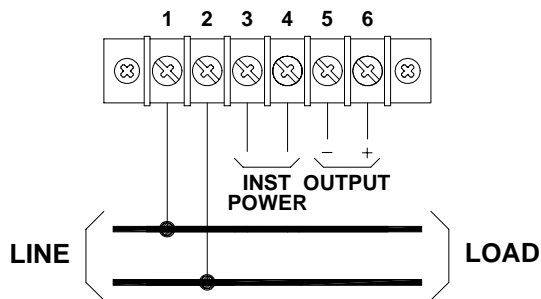
OHIO SEMITRONICS, INC.

OSI VARIABLE FREQUENCY RMS VOLTAGE MODEL VT8

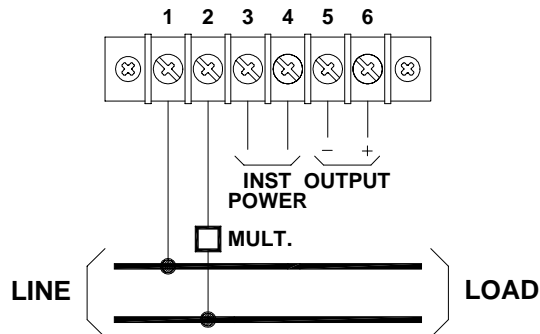
CASE DIMENSIONS



CONNECTION DIAGRAMS



50mV - 600V Models



MULT DIMENSIONS: 2.875 X 1.500 X 1.000

700V-1000V Models

VOLTAGE

AC

DC