

VOLTAGE TRANSDUCERS

DC VOLTAGE TRANSDUCER

MODEL VT7

DC TO 10K HERTZ FREQUENCY RANGE

FEATURES

- Output is electrically isolated from the input and is proportional to the input amplitude and frequency (ac in/out, dc in/out).
- Better than 10 kilohertz bandwidth.
- Input/output isolation of 2500V.

APPLICATIONS

- Monitoring of substation or electric circuit performance.
- Isolation and amplification of shunt output.
- Electric generator or solar field monitoring.

Shunt Rated

INPUT DC VOLTAGE	STANDARD OUTPUTS MODEL NUMBER VT7-			
	+/- 1mA	4-20mA	+/- 10V	+/- 5V
0 to 0.050	015B	015E	015D	015X5
0 to 0.100	016B	016E	016D	016X5
0 to 0.200	017B	017E	017D	017X5
0 to 0.250	018B	018E	018D	018X5
0 to 10	001B	001E	001D	001X5
0 to 25	002B	002E	002D	002X5
0 to 50	003B	003E	003D	003X5
0 to 100	004B	004E	004D	004X5
0 to 150	005B	005E	005D	005X5
0 to 250	006B	006E	006D	006X5
0 to 300	007B	007E	007D	007X5
0 to 400	008B	008E	008D	008X5
0 to 500	009B	009E	009D	009X5
0 to 600	010B	010E	010D	010X5
0 to 700	011B	011E	011D	011X5
0 to 800	012B	012E	012D	012X5
0 to 900	013B	013E	013D	013X5
0 to 1000	014B	014E	014D	014X5



ORDERING INFORMATION
Example: 120Vdc input with
4-20mA output.
VT7-005E

Highlighted models will be supplied with an externally mounted multiplier module.

50,100,200 and 250mV models can be used for shunt isolation.
All units have universal power supply 85-265Vac,
48-420Hz or 110-370Vdc

Optional DC Instrument Power Available: -24, -28, -37, -48

MODEL VT7 SPECIFICATIONS

INPUT

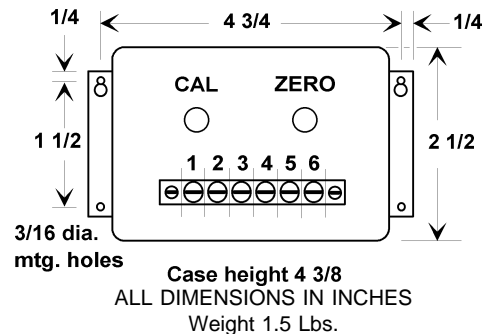
Voltage See tables
Frequency Range Input <10V = dc-500Hz
Input ≥10V = dc-10,000Hz
Burden (OHMS) Greater than 100K
Overload
.05-700V 2 times full scale rating.
800-1000V 2500V
Dielectric Test.....(Input/Output/Case) 2500VAC RMS
Instrument Power 85-265Vac, 48-420Hz, 5VA
or 110-370Vdc, 5VA

OUTPUT

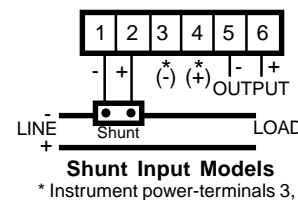
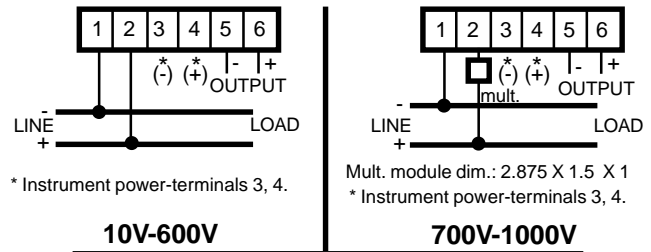
Response (90%) Input<10V = 1 millisecond
Input≥10V = 50 microseconds
Output Loading (OHMS)
+/- 1mA 0-10K
+/- 10Vdc, +/- 5Vdc 2K min.
4-20mA 0-500
Field Adjustable Cal. ± 10%
ACCURACY ± 0.25% F.S. @ DC
Includes effects of linearity and repeatability.

Temperature Effect...(-10°C to 60°C) ± 1.0% RDG.

CASE DIMENSIONS



CONNECTION DIAGRAMS



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