

VOLTAGE TRANSDUCERS

UNIDIRECTIONAL DC VOLTAGE TRANSDUCER

MODEL VTU

VOLTAGE TRANSDUCERS

FEATURES

- Output is electrically isolated from the input and is directly proportional to the input.
- Unidirectional signals only.
- Provides 1500 volt dielectric test.

APPLICATIONS

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

INPUT	STANDARD OUTPUTS MODEL VTU-		
DC VOLTS	0-1mA	4-20mA	5V
* 0 - 0.05	015B	015E	015X5
* 0 - 0.10	016B	016E	016X5
0 - 10	001B	001E	001X5
0 - 25	002B	002E	002X5
0 - 50	003B	003E	003X5
0 - 100	004B	004E	004X5
0 - 150	005B	005E	005X5
0 - 250	006B	006E	006X5
0 - 300	007B	007E	007X5
0 - 400	008B	008E	008X5
0 - 500	009B	009E	009X5
0 - 600	010B	010E	010X5
0 - 700	011B	011E	011X5
0 - 800	012B	012E	012X5
0 - 900	013B	013E	013X5
0 - 1000	014B	014E	014X5

Highlighted models are supplied with an external multiplier module.

*50 and 100mV models can be used for shunt isolation.



ORDERING INFORMATION

Example: 150Vdc Input with
a 4-20mA Output.
VTU-005E

SPECIFICATIONS

INPUT

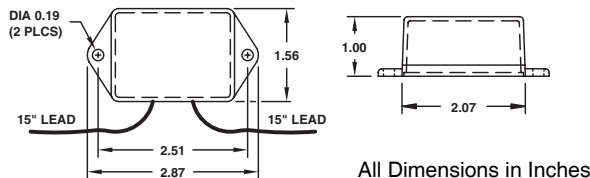
Voltage See tables
Frequency Range dc to 1000 Hz.
Burden (Ohms)
 .05 & .1mV models > 500
 All other models > 100K
Overload
 0.05 - 600V 2 X F.S. or 850Vdc max.
 700 - 1000V (w/external multiplier) 1500Vdc max.
Dielectric Test (direct input/output/case) 1500Vac
Instrument Power 95-125Vac, 60Hz, 4VA

OUTPUT

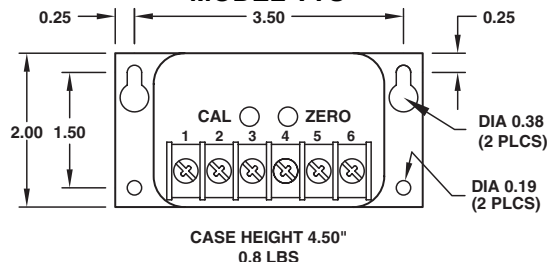
ACCURACY **+0.25% R_{dg.}, +1% F.S. @dc**
includes effects of linearity and repeatability
Response Time 500 microseconds
Output Loading (Ohms)
 1mA 0-5K
 5V 2K min.
 4-20mA 0-300
Field Adjustable Cal. + 10%
Temp. Effect (-5°C to +40°C) +1.0% R_{dg.}, +0.1% F.S.

CASE DIMENSIONS

MULTIPLIER BOX

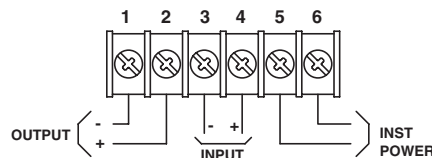


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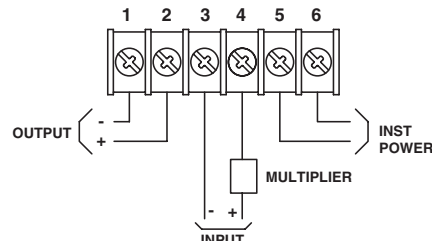


CONNECTION DIAGRAMS

50mV-600V MODELS



700V-1000V MODELS



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