

VOLTAGE TRANSDUCERS

UNIDIRECTIONAL DC VOLTAGE TRANSDUCER

MODEL VTU

FEATURES

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

APPLICATIONS

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

INPUT DC VOLTS	STANDARD OUTPUTS MODEL VTU-		
	0-1mAdc	4-20mAdc	5Vdc
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



ORDERING INFORMATION

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

Highlighted models are supplied with an external divider module.

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

SPECIFICATIONS

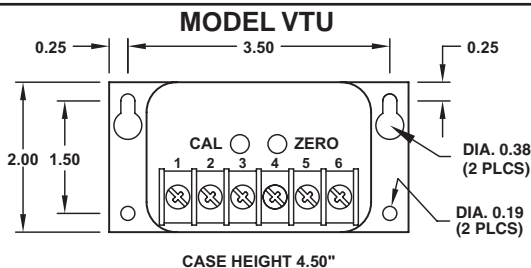
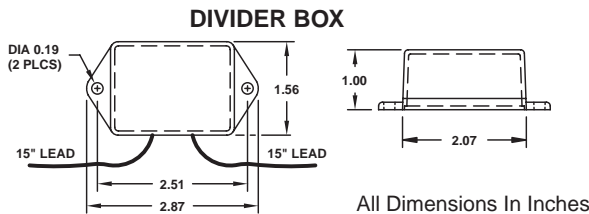
INPUT

Voltage..... See Tables
 Frequency Range dc to 1000Hz
 Burden (Ω)
 50 & 100mVdc models > 500
 All other models..... > 100K
 Overload
 0.05 - 600V 2 X F.S. or 850Vdc max.
 700 - 1000V (w/external divider) 1500Vdc max.
 Dielectric Test (direct input/output/case) 1500Vac
 Instrument Power..... 115Vac, $\pm 15\%$, 50/60Hz, 4VA
 "22" Option 230Vac, $\pm 15\%$, 50/60Hz, 4VA

OUTPUT

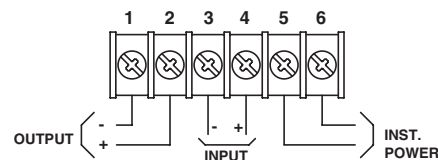
ACCURACY $\pm 0.25\%$ Rdg., $\pm 1\%$ F.S. @ DC
 includes effects of linearity and repeatability
 Response Time..... 500 μ s
 Output Loading (Ω)
 1mAdc..... 0-5K
 5Vdc..... 2K min.
 4-20mAdc..... 0-300
 Field Adjustable Cal..... $\pm 10\%$
 Temp. Effect (-5°C to +40°C) $\pm 1.0\%$ Rdg., $\pm 0.1\%$ F.S.
 Weight 0.8 Lb.

CASE DIMENSIONS

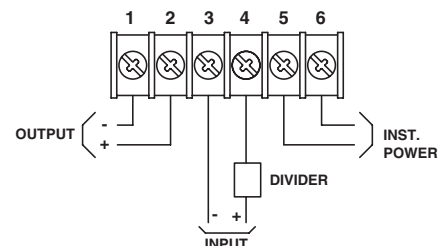


CONNECTION DIAGRAMS

50mV-600V MODELS



700V-1000V MODELS



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