

VOLTAGE TRANSDUCERS

UNIDIRECTIONAL DC HIGH VOLTAGE TRANSDUCER MODEL VTH

10KV DIELECTRIC TEST

FEATURES

- Output is electrically isolated from the input and is directly proportional to the input amplitude.
- Input/output dielectric test of 10kV.

APPLICATIONS

- Monitoring of substation or electric circuit performance.
- Isolation and amplification of shunt output.



INPUT DC VOLTS	STANDARD OUTPUTS MODEL VTH-			
	0-1mA _{dc}	4-20mA	0-10V _{dc}	0-5V _{dc}
0 - 0.050	015B	015E	015D	015X5
0 - 0.100	016B	016E	016D	016X5
0 - 100	004B	004E	004D	004X5
0 - 250	006B	006E	006D	006X5
0 - 400	008B	008E	008D	008X5
0 - 1000	014B	014E	014D	014X5
0 - 2500	020B	020E	020D	020X5
0 - 4000	022B	022E	022D	022X5

ORDERING INFORMATION

Example: 1000V_{dc} Input with
a 4-20mA Output.
VTH-014E

SPECIFICATIONS

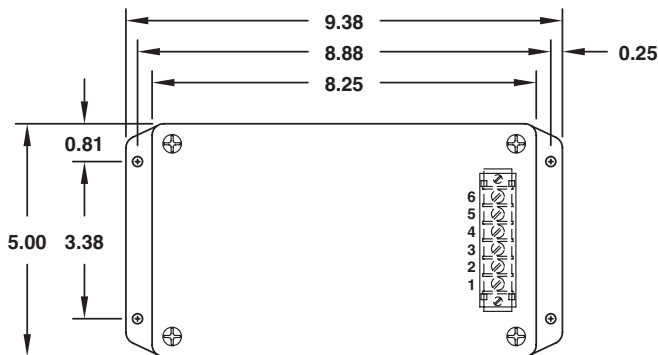
INPUT

Voltage Range See Table
 Overrange w/o damage 120% of Rating
 Burden < 1mA
 Dielectric Test (input/output/case) 10kVac
 (instr. power to output) 2200Vac
 Instrument Power 115V, 50/60Hz, 3VA

OUTPUT (UNIDIRECTIONAL)

ACCURACY **+0.5% F.S.**
 Response.....(90%) 100 milliseconds
 Loading 1mA <10K Ohms
 5V, 10V >2K Ohms
 4-20mA <500 Ohms
 Temp. Effect..... (-10°C to +60°C) ... +1.0% Rdg., +0.1% F.S.
 Weight 3.0 Lbs.

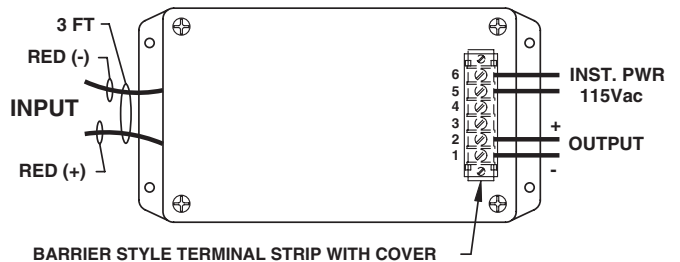
CASE DIMENSIONS



CASE HEIGHT 4.03"

All Dimensions In Inches

CONNECTION DIAGRAMS



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