

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 _{dc}	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
Over Range 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

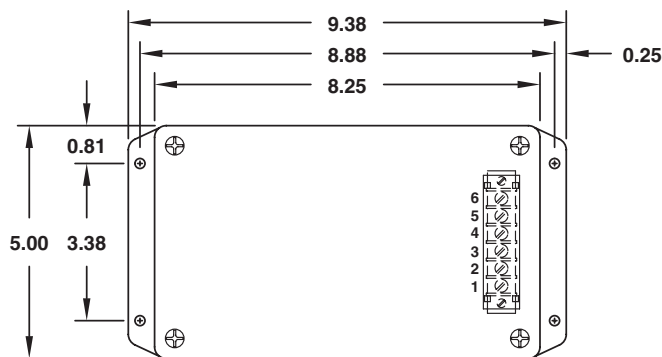
INPUT LEADS

Wire size 22 AWG
Length Standard 3'
Option "L" 15'

OUTPUT (UNIDIRECTIONAL)

ACCURACY **±0.5% F.S.**
Response (90%) 100ms
Loading 1mA_{dc} ≤ 10K Ω
5V_{dc}, 10V_{dc} ≥ 2K Ω
4-20mA_{dc} ≤ 500 Ω
Temp. Effect (-10°C to +60°C) ±1.0% Rdg., ±0.1% F.S.
Weight 3.0 Lbs.

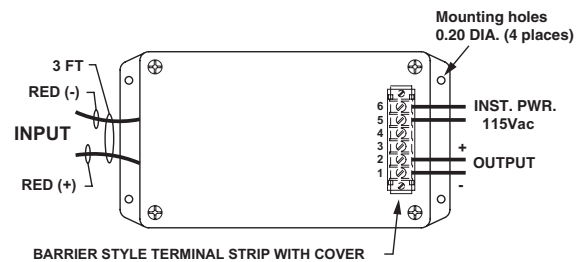
CASE DIMENSIONS



CASE HEIGHT 4.03"

All Dimensions In Inches

CONNECTION DIAGRAMS



FLEX-CORE®

Div. Morlan & Associates, Inc.

4970 Scioto Darby Rd. Hilliard, Ohio 43026

WWW.FLEX-CORE.COM

sales@flex-core.com

PHONE (614) 889-6152

TECH. ASSISTANCE (614) 876-8308

FAX # (614) 876-8538