

TVL Series DC1 Voltage Transducer

The TVL DC1 series, by Aim Dynamics, is an optically isolated (4.5 kV) DC voltage sensing device that is rated to 1000Vdc and can measure up to 1200Vdc continuously. The DC1 outputs a corresponding 0-5 Vdc, 0-1 Vdc, 0-0.5Vdc or 4-20 mA signal, depending on the option chosen.

SPECIFICATIONS

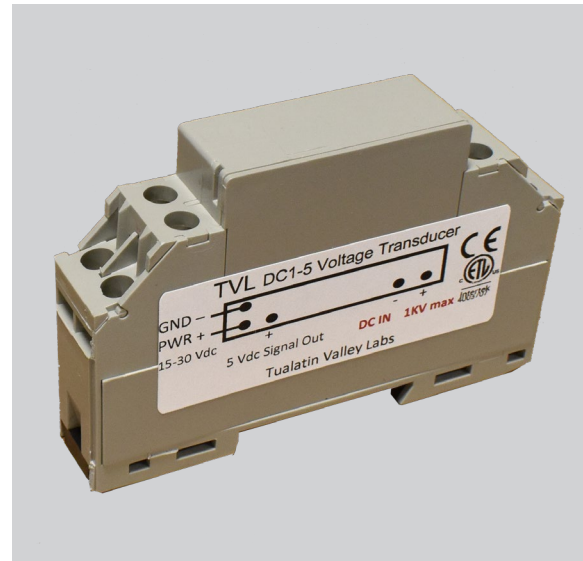
Primary voltage range	50 – 1000VDC
Output	0-5 VDC, 0-1 VDC, 0-0.5 VDC, 4-20mA
Accuracy	1% over range
Linearity	0.5% over range
Response time	.09 mSec
Working range	5 – 120%
Overload	150% continuous
Temperature	-30C to +70C operating
Humidity	90% operating
Isolation	4.5KV, 1 minute
Supply voltage	15 - 48VDC
Mechanical	DIN EN 50 022 or wall mounting
Dimensions	0.709"W x 3.504"H x 2.126"D
Warranty	7 years
Safety	ETL Listed; CSA C22.2; Conforms to UL508C

FEATURES

- Isolated 1000 Vdc Input
- 4-20Ma or Voltage Output
- Din Rail Mounting
- 1% Accuracy
- Screw Type Terminals
- Low Response Time
- Cost-Effective



Intertek
40037007



APPLICATIONS

- Solar string monitoring
- Power sensing
- Over/under voltage monitoring
- Battery & energy storage

AVAILABLE MODELS

- DC1-5V (0-5VDC Output)
- DC1-1V (0-1VDC Output)
- DC1-0.5V (0-0.5VDC Output)
- DC1-4mA (4-20mA Output)