

TUALATIN VALLEY LABS, Inc

DC1 VOLTAGE TRANSDUCER

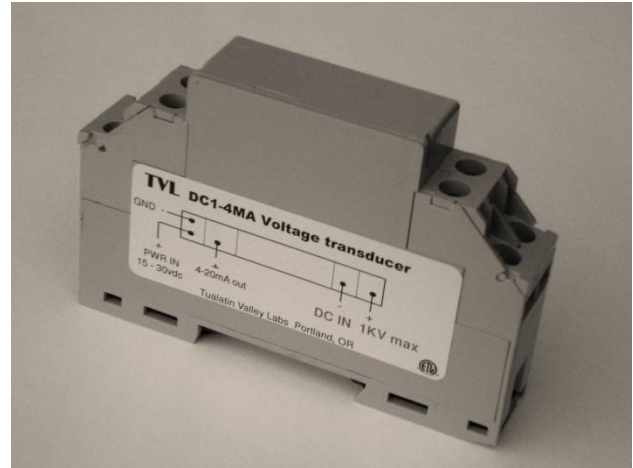
The DC1 is the perfect answer to solar string voltage monitoring. The DC1 Transducer is designed to convert a DC Voltage input to either a 4-20mA or a voltage standard output that is proportional to the input. The transducer provides effective and safe isolation between the input & output

FEATURES

- ISOLATED 1000 VDC INPUT
- 4-20mA or VOLTAGE OUTPUT
- DIN RAIL MOUNTING
- 1% ACCURACY
- SCREW TYPE TERMINALS
- LOW RESPONSE TIME
- COST-EFFECTIVE

APPLICATIONS

- Solar string monitoring
- Fuse Monitoring
- Over/under voltage
- Battery & energy storage



DC1 TRANSDUCER SPECIFICATIONS

Primary voltage range: 10 – 1000VDC
Output: 0 – 1VDC, 0-5VDC, 0-10VDC, 4-20mA
Accuracy: 1% over range
Linearity: 0.5% over range
Response time: .10 Second
Working range: 0 – 120%
Overload: 150% continuous
Temperature: -30C to +50C 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: Conforms to UL508C
Certified to CSA STD C22.2 NO. 14

RECOGNIZED COMPONENT



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Order Information:

DC1-1 (0-1VDC Output)
DC1-4 (4-20mA Output)
DC1-5 (0-5VDC Output)
DC1-10 (0-10VDC Output)