

DC Voltage Transducer

DVT-100 and DVT-1000

DIN Rail Mounted Isolated Transducer

Description:

The DVT 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. It is also perfect for solar-string voltage monitoring. The transducer provides effective and safe isolation between the input and output.

Electrical Specifications:

- Primary voltage DVT-100: 1-100Vdc
DVT-1000: 10-1000Vdc
- Output 4-20mA, 0-1Vdc, 0-5Vdc (see chart below)
- Accuracy: $\pm 1\%$ over range
- Linearity: 0.5% over range
- Response time: 10.0 mSec

PART NUMBER AND RATING	INPUT	OUTPUT
DVT-100-420	100 Volt	4-20mA
DVT-100-V05	100 Volt	0-5VDC
DVT-1000-420	1000 Volt	4-20mA
DVT-1000-V01	1000 Volt	0-1VDC
DVT-1000-V05	1000 Volt	0-5VDC

Mechanical Specifications:

- DIN Rail EN 50 022 or wall mounting
- Screw type terminals
- Warranty - 7 years

Safety:

- Conforms to UL508C
- Certified to CSA C22.2

Applications:

- Solar-string monitoring
- Power sensing
- Over/under voltage
- Battery and energy storage
- Charge controller monitoring



- Working Range: 0–120%
- Overload: 150% continuous
- Temperature: -30°C to 70°C operating
- Humidity: 90% operating
- Isolation: 4.5KV, 1 minute
- Supply voltage: 15–48Vdc

DIMENSION	INCH	MM
H	2.320	58.93
W	0.710	18.03
L	3.520	89.41



Top View

