

MAGNELAB

DC Voltage Transducer DVT-100 and DVT 1000

DIN Rail Mounted Isolated Transducer

The DVT Transducer is designed to convert a DC Voltage input to either a 4-20 mA 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.



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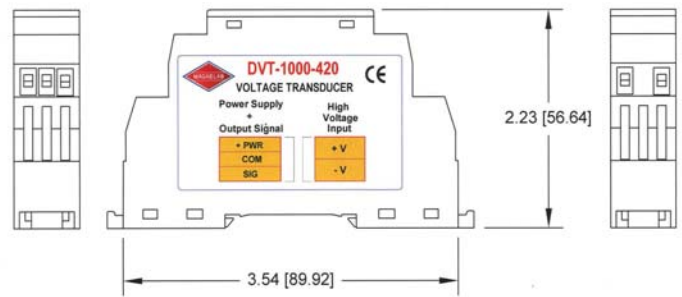
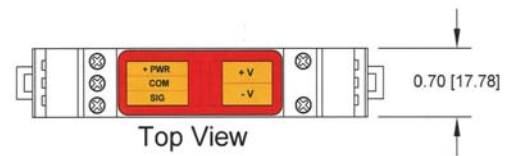
SPECIFICATIONS

Primary Voltage	DVT-100: 0-100 Vdc DVT-1000: 0-1000 Vdc
Output	4-20 mA, 0-1 Vdc, 0-5 Vdc (See chart below)
Accuracy	±1.0 % over range
Linearity	0.5% over range
Temperatures	Operating: -35°C to 100°C Storage: -40°C to 100°C
Operating Humidity Rating	90%
Response time	10.0 mS
DIN Rail	EN 50 022
Terminals	Screw Type, Recommended torque: 0.5 - 0.55 Nm / 4.5- 4.9 Lb-in
Warranty	7 Years
Safety:	Conforms to UL 61800-5-1
Operating Range	5% - 110% (Voltage Output) 0% - 110% (4 to 20 mA Output)
Overload	150% continuous
Isolation	3000 Vrms, 1 minute
Supply voltage	15 - 36 Vdc
Weight	0.11 lbs (0.05 kg)

PART NO. & RATING	INPUT	OUTPUT	COLOR CODE
DVT-100-420	100 Volt	4-20 mA	YELLOW
DVT-100-V05	100 Volt	0-5 Vdc	PURPLE
DVT-1000-420	1000 Volt	4-20 mA	RED
DTV-1000-V01	1000 Volt	0-1 Vdc	GREEN
DVT-1000-V05	1000 Volt	0-5 Vdc	ORANGE

APPLICATIONS

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



Dimensions are in inches and Millimeters

MORE OPTIONS

Please inquire about our ruggedized DVT for extreme environments with these improvements:

- Improved for the environments including temperature, humidity and EMI.
- Immune to conducted pulses and spikes up to 5 KV on both the supply voltage and input.
- Greater output accuracy (+/- 0.5%).
- Unique serial numbers for traceability.



CE RoHS2 ISO9001

**Magnetlab reserves the right to implement modifications without prior notice