

TVT 1-250-XX SERIES

SINGLE PHASE TAPPED TRANSFORMER FOR DIPS AND SHORT INTERRUPTIONS

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FOR TESTS ACCORDING TO ...

- › EN 61000-4-11
- › EN 61000-6-1
- › EN 61000-6-2
- › IEC 61000-4-11

TVT 1-250-XX SERIES - TAPPED TRANSFORMERS FOR TESTING VOLTAGE DIPS AND INTERRUPTIONS

Voltage dips and short interruptions simulate a reduction of the power supply voltage for a certain period of time. Four different test levels are required as per IEC/EN 61000-4-11.

The TVT 1-250-xx series of tapped transformer are used to simulate power supply failures such as voltage dips and interruptions providing taps with 40 %, 70 %, 80 % and a direct output with 100 % of the nominal mains supply voltage. Depending on the model the taps are selected manually or by means of the 0-10 V DC signal provided by the test generator.

HIGHLIGHTS

- › Tapped transformer in a compact size
- › Fixed taps at 40 %, 70 % and 80 % of nominal voltage
- › Suitable for 100 V, 115 V and 230 V mains supplies
- › Nominal current 16 A, short-term up to 40 A for 5 seconds

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  RESIDENTIAL

TECHNICAL DETAILS

MODEL OVERVIEW

TVT 1-250-XX SERIES - SINGLE PHASE TAPPED TRANSFORMERS

TVT 1-250-16	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, manual tap selection, nominal current 16 A
TVT 1-250-16.1	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, automatic tap selection, nominal current 16 A
TVT 1-250-32	single phase autotransformer, with taps at 40 %, 70 % and 80 %Un, automatic tap selection, nominal current 32 A
other models on request	

TVT 1-250-16

TECHNICAL DATA

Input voltage	max. 250 V (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin
Output current	max. 16 A
Input connector	Mains supply plug (depends on the country of use)
Output connectors	4mm safety lab connectors

GENERAL DATA

Dimensions	95 mm x 170 mm x 190 mm (H x W x L)
Weight	approx. 7 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 16 A
Temperature	10 - 35 °C
Rel. humidity	10 - 90 %, non-condensing

TECHNICAL DETAILS

TVT 1-250-16.1

TECHNICAL DATA

Input voltage	max. 250 V at (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin, automatically controlled
Output current	max. 16 A
Input connector	Mains supply plug (depends on the country of use)
Output connectors	4 mm safety lab connectors
Remote control	BNC connector, 0-10 V DC signal

GENERAL DATA

Dimensions	95 mm x 170 mm x 190 mm (H x W x L)
Weight	approx. 7 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 16 A
Temperature	10 - 35°C
Rel. humidity	10 - 90 %, non-condensing

TVT 1-250-32

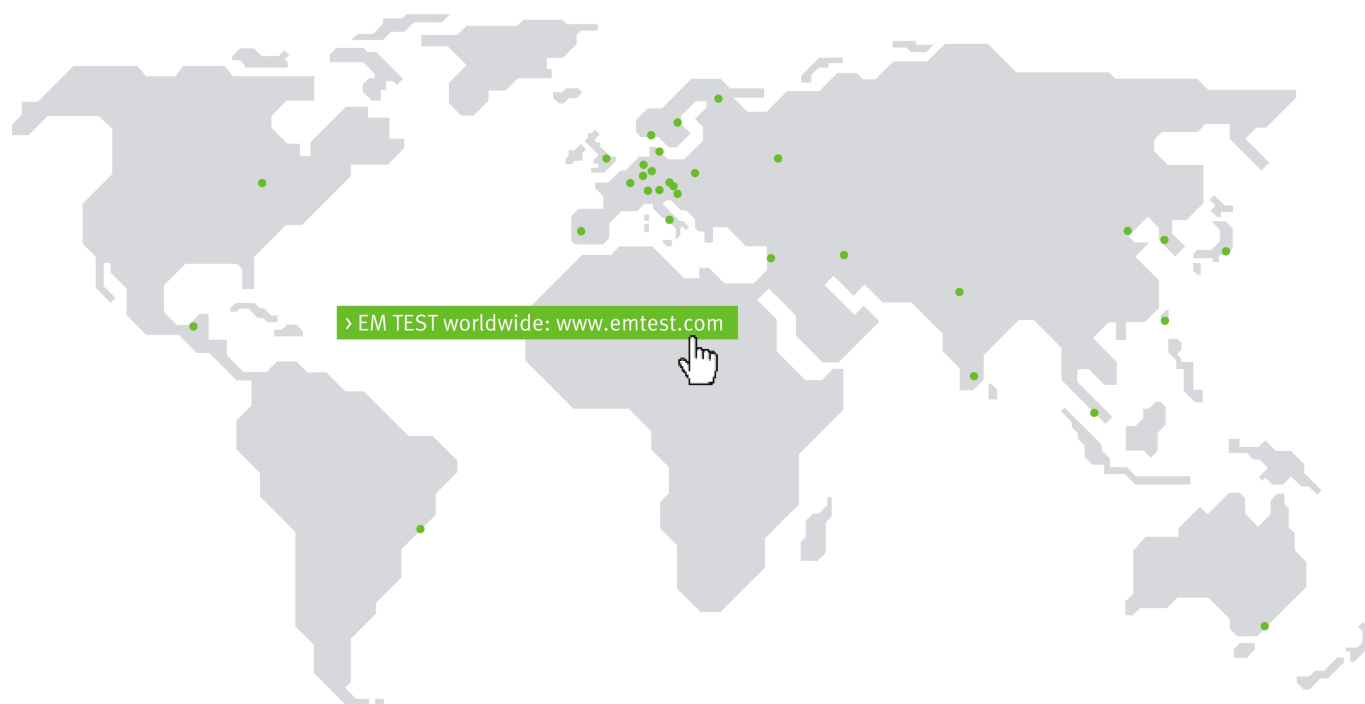
TECHNICAL DATA

Input voltage	max. 250 V at (50 Hz/60 Hz)
Output voltage	100 % Vin, 80 % Vin, 70 % Vin and 40 % Vin, automatically controlled
Output current	max. 32 A
Input connector	Mains supply plug or open end (depends on the country of use)
Output connectors	4 mm safety lab connectors
Remote control	BNC connector, 0-10 V DC signal

GENERAL DATA

Dimensions	19", 3 HU
Weight	approx. 15 kg
Power supply	100 V/115 V/230 V
Fuses	2 x 35 A
Temperature	10 - 35°C
Rel. humidity	10 - 90 %, non-condensing

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.