

# TVT 1-250-XX SERIES

## SINGLE PHASE TAPPED TRANSFORMER FOR DIPS AND SHORT INTERRUPTIONS



### 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



## CONTACT EM TEST DIRECTLY

### Switzerland

AMETEK CTS GmbH › Sternenhofstraße 15 › 4153 Reinach › Switzerland  
Phone +41 (0)61 204 41 11 › Fax +41 (0)61 204 41 00  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [sales.conducted.cts@ametek.com](mailto:sales.conducted.cts@ametek.com)

### Germany

AMETEK CTS Europe GmbH › Customer Care Center EMEA › Lünener Straße 211  
› 59174 Kamen › Germany  
Phone +49 (0) 2307 26070-0 › Fax +49 (0) 2307 17050  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [info.cts.de@ametek.com](mailto:info.cts.de@ametek.com)

### Poland

AMETEK CTS Europe GmbH › Biuro w Polsce › ul. Twarda 44 › 00-831 Warsaw › Poland  
Phone +48 (0) 518 643 12  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [Infopolska.cts@ametek.com](mailto:Infopolska.cts@ametek.com)

### USA / Canada

AMETEK CTS US › 52 Mayfield Ave › Edison › NJ 08837 › USA  
Phone +1 732 417 0501  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [usasales.cts@ametek.com](mailto:usasales.cts@ametek.com)

### P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. › Beijing Branch › Western Section, 2nd floor › Jing Dong Fang Building (B10) › Chaoyang District › Beijing, China, 100015  
Phone +86 10 8526 2111 › Fax +86 (0)10 82 67 62 38  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [chinasales@ametek.com](mailto:chinasales@ametek.com)

### Republic of Korea

EM TEST Korea Limited › #405 › WooYeon Plaza › #986-8 › YoungDeok-dong › Giheung-gu › Yongin-si › Gyeonggi-do › Korea  
Phone +82 (31) 216 8616 › Fax +82 (31) 216 8616  
Internet: [www.emtest.co.kr](http://www.emtest.co.kr) › E-mail: [sales@emtest.co.kr](mailto:sales@emtest.co.kr)

### Singapore

AMETEK Singapore Pte. Ltd › No. 43 Changi South Avenue 2 › 04-01 Singapore 48164  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [singaporesales.cts@ametek.com](mailto:singaporesales.cts@ametek.com)

### Great Britain

AMETEK GB › 5 Ashville Way › Molly Millars Lane › Wokingham › Berkshire RG41 2 PL › Great Britain  
Phone +44 845 074 0660  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com)

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.