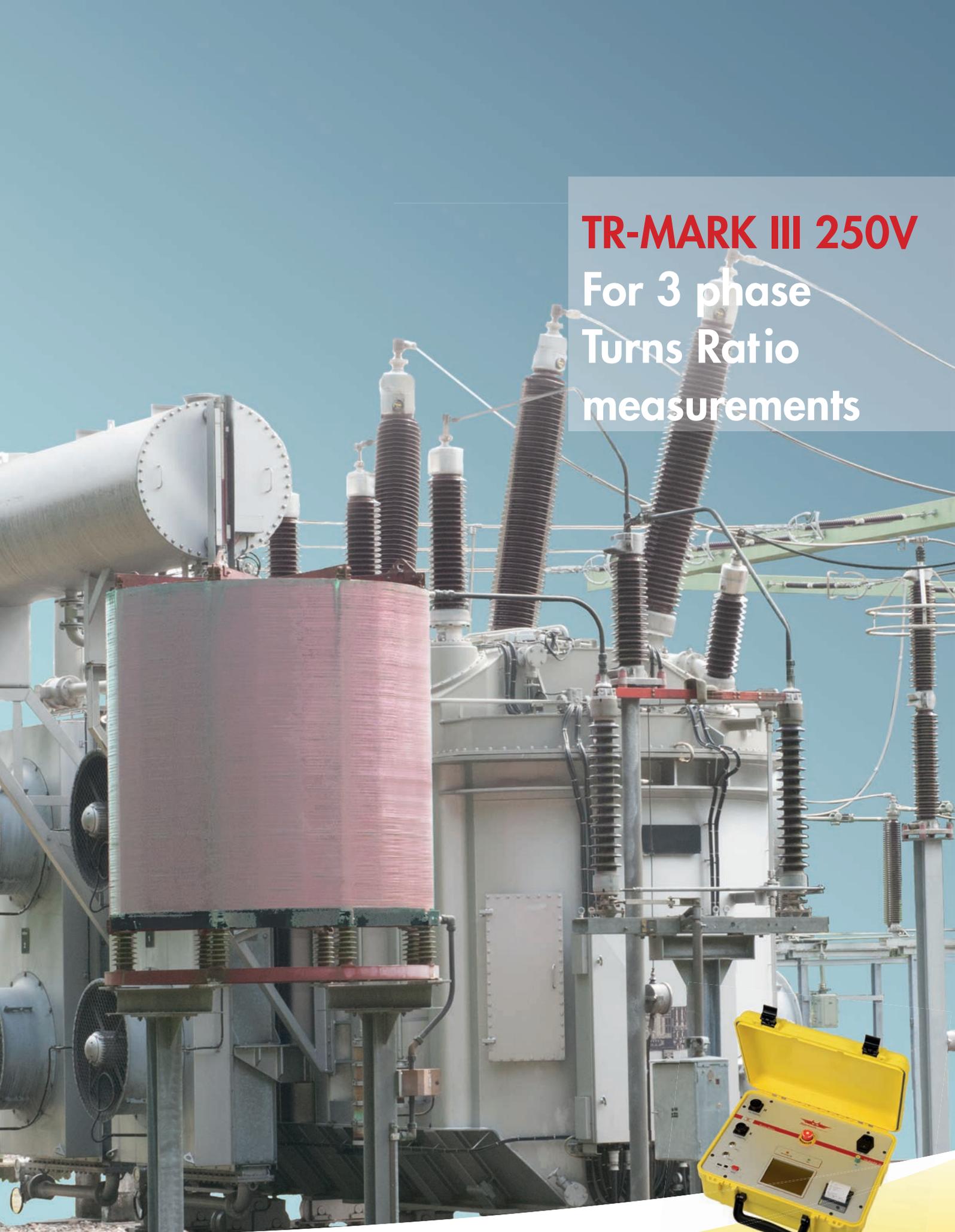


TR-MARK III 250V

For 3 phase
Turns Ratio
measurements



Short Overview

TR-MARK III R 250V and TR-MARK III 250V

Fully automatic 3 phase measurements. Automatic Vector Group Detection. Rugged and Reliable. A color LCD with back lighting and touch screen increases user comfort. USB interfaces make it easy to store measurements on external storage devices and transfer easily to a personal computer.

Turns Ratio range	0.8...40 000
Accuracy	$\pm 0.06\%$ Rdg
Resolution	5 Digits
Current range	0...1A
Test voltage	1/10/40/100/250V
Phase angle	± 90 Degree
Operating range	-10°C to 60°C
Input power	100 to 250 VAC



Measurement Parameters

Ratio*

Phase*

Accuracy at 250V	0.06% Rdg ± 1 LSD	0.05°	<ul style="list-style-type: none">• Turns Ratio range: 0.8 to 40 000• Current: 0...1A• Accuracy $\pm 0.06\%$ Rdg• Resolution 0.1 mA• Operating temperature -10°C to 60°C• Storage temperature -20°C to 70°C
Accuracy at 100V	0.06% Rdg ± 1 LSD	0.05°	
Accuracy at 40V	0.06% Rdg ± 1 LSD	0.1°	
Accuracy at 10V	0.1% Rdg ± 1 LSD	0.15°	
Accuracy at 1V	0.1% Rdg ± 1 LSD	0.15°	

* more details you will find in the instruction manual.

Features

- Automatic measurements of Voltage, Turns Ratio, Current and Phase displacement
- Easy one time hook up to the transformer
- Automatic test voltage range
- Displays deviation from a nominal ratio
- Graphical tap changer display

- Tap changer interface (Input and Output)
- Load on test object < 0.05 VA
- Measures Power transformers PT's and CT's
- Displays % error vs. name plate value
- Enhanced heavy-duty protection circuitry
- Internal Printer

Accessories

- Complete cable sets (H and X lead cable 2 x 5m, extension cables 2 x 10m and power cord)
- Cable carrying bag
- Instruction manual
- Software for data download

Specifications

Model

TR-MARK III 250V

TR-MARK III R 250V (19" Rackmount version)

Size

L: 470 mm (18.5")

W: 371 mm (14.6")

H: 190 mm (7.5")

Weight

8.4 kg (18.5 lbs.)

Input Power

100...250 VAC, 50/60 Hz

Interface

USB 2.0 full speed (1 host/1 device) and 9 Pin RS232 serial

Memory Storage

Internally stores more than 10 000 test results

Panel Display

5.7" Color LCD with back lighting and touch screen

Front Panel

Sealed, Anodized

Options

- T-REX: 3-phase supply to energize all 3 phases at once
- TRO-203: External test switch for tap changer testing



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Specifications are subject to change without notice.

