



TR-MARK III 250V
For 3 phase
Turns Ratio
measurements



Ask for more.



The MARK III 250V is the leader for 3 phase turns ratio measurements. A fully automatic, self-calibrating system with single hook up to transformer, automatic vector group detection and a voltage measurement range up to 250V. A color LCD with back lighting and touch screen increases user comfort. USB interfaces make it easy to store measurements on external

storage devices, transfer data easily to a personal computer or download nameplate data of transformers under test.

Turns Ratio range	0.8...40 000
Accuracy	$\pm 0.06\%$ Rdg
Resolution	5 Digits
Current range	0...1A
Test voltage	1/10/40/100/250 VAC
Phase angle	± 90 Degree
Operating temp.	-10°C to 55°C
Storage temp.	-20°C to 70°C
Input power	110/240 VAC 50/60 Hz



Measurement Parameters

Voltage Range	Measuring Range		Accuracy		Resolution
250V	0.8	...	5000	$\pm 0.06\%$ Rdg	± 1 LSD
	5000	...	10'000	$\pm 0.1\%$ Rdg	± 1 LSD
	10'000	...	32'500	$\pm 0.3\%$ Rdg	± 1 LSD
	32'500	...	40'000	$\pm 0.4\%$ Rdg	± 1 LSD
100V / 40V	0.8	...	2000	$\pm 0.06\%$ Rdg	± 1 LSD
	2000	...	4000	$\pm 0.1\%$ Rdg	± 1 LSD
	4000	...	13'000	$\pm 0.3\%$ Rdg	± 1 LSD
	13'000	...	16'000	$\pm 0.4\%$ Rdg	± 1 LSD
10V	0.8	...	500	$\pm 0.1\%$ Rdg	± 1 LSD
	500	...	1000	$\pm 0.12\%$ Rdg	± 1 LSD
	1000	...	3250	$\pm 0.3\%$ Rdg	± 1 LSD
	3250	...	4000	$\pm 0.4\%$ Rdg	± 1 LSD
1V	0.8	...	50	$\pm 0.1\%$ Rdg	± 1 LSD
	50	...	100	$\pm 0.15\%$ Rdg	± 1 LSD
	100	...	325	$\pm 0.3\%$ Rdg	± 1 LSD
	325	...	400	$\pm 0.4\%$ Rdg	± 1 LSD

Specifications

Model TR-MARK III 250 V

- Waterproofed field case
- Size L: 470 mm (18.5") W: 371 mm (14.6") H: 190 mm (7.5")
- Weight 9.5 kg (21 lbs.)

Model TR-MARK III R 250 V

- 19" Rackmount version
- Size L: 490 mm (19.3") W: 390 mm (15.4") H: 177 mm (7")
- Rack Unit: 4U
- Weight 8.1 kg (17.9 lbs)

Accessories

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

Options

- T-Rex: 3-phase supply to energize all 3 phases at once
- TRO 203: External test switch for tap changer testing
- TRO 205: Additional extension cables 2 x 10m

