TTR112

Transformer Turns Ratio Tester
(Battery Operated)

تست نسبت تبدیل ترانس



The complete toolbox for three-phase testing and measuring the turns ratio, excitation current, and phase shift of power, distribution and current transformers

Features

- Ratio range 45000 : 1
- Adjustable excitation test voltage: 1V to 250V
- Excitation current range: 1uA to 1A
- Phase shift accuracy: ±0.05°
- Automatic detection of 64 vector groups
- Tap changer continuity test
- Built-in tap changer control unit
- Providing user safety with an emergency stop button
- Battery and main line operated with fast charge
- USB connectivity with PC software
- WIFI connectivity with user-friendly mobile app.
- Portable, heavy-duty, and light weight case
- Extremely reliable and easy to use

Applications

- High power transformer manufacturers
- Repair and maintenance of electrical power plant companies
- Electrical power plant EPC companies
- Electrical power labs
- Big factories e.g. Steel, petrochemicals, refineries, and ...

TAPCO®
TARASHE PARDAZE POOYA

TTR112 Specifications

Specifications are valid at nominal input voltage and an ambient temperature Of +25ºC, (77ºF).
Specifications are subject to change without notice.

General

Type	Portable Transformer Turns Ratio Tester
Input Power	100-240V AC/DC, 50 Hz
Built-in Battery With Automatic Charger	Li-ion, 11.1V/ 7800 mAh
Charge Time	2 Hours Full Charge
Dimensions (L× W × H)	Basic Unit: 460 x 330 x 120 mm
Weight	Basic Unit: 7.7 kg

Measurement

Turns Ratio	Range	45000 : 1	
	Accuracy@250VAC	1-1999: ±0.1%, 2000-3999: ±0.1%, 4000-9999: ±0.3%, 10000-19999: ±0.5%, 20000-45000: ±1%	
	Accuracy@100VAC	1-1999: ±0.1%, 2000-3999: ±0.3%, 4000-9999: ±0.5%, 10000-19999: ±1%, 20000-45000: ±1.5%	
	Accuracy@40VAC	1-999: ±0.1%, 1000-1999: ±0.5%, 2000-10000: ±1%	
	Accuracy@10VAC	1-199: ±0.1%, 200-999: ±0.2%, 1000-2000: ±0.5%	
	Accuracy@4VAC	1-199: ±0.2%, 200-800: ±0.5%	
	Accuracy@1VAC	1-99: ±0.5%, 100-200: ±1%	
Excitation Current	Range	1uA – 1A	
	Typical Accuracy	± 2% ± 1 dgt	
	Resolution	0–9,999mA 10–99,99 mA 100–999,9mA	1µA 10µA 100µA
Phase Angle	Range	360º	
	Accuracy	±0.05º	
Test Voltage	Adjustable 1V - 250V		

Environment

Operating Temperature	-20 to 55 °C (-4 to 131 °F)
Storage Temperature	-30 to 70 °C (-22 to 158 °F)
Humidity	20% - 95% RH , Non-Condensing

Miscellaneous

- Storage Capacity For Over 350 Transformer Tests
- Internal Thermal Printer
- USB, WIFI Connectivity
- User-friendly Mobile App.
- PC Software

Accessories

H Winding Test Lead Set (4 x 8m with Clamps)



X Winding Test Lead Set (4 x 8m with Clamps)



Tap Changer Control Cable (5m)



Earthing Cable (4m)



Power&USB Cables



Case Cover&Cable Bag



One Year Warranty, Five Years After Sales Services

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