

ES6030 Transformer turns ratio tester



I, Brief introduction

The transformer turns ratio tester adopts microprocessor technology for measurement calculation and automatic control, which can quickly and easily measure the actual transformer ratio and group of the transformer. It is mainly used for measuring transformer transformer ratio and group in the power industry, and it is also used for measuring transformer parameters by transformer manufacturers and distributors.

The transformer turns ratio tester is composed of the main machine, monitoring software, test line, communication line, etc. The host has the charging function without the need to find electricity, full color large screen LCD display, the language can be selected in Chinese or English, at a glance, touch screen operation is easy to use, port anti-overload function, large capacity storage of 500 sets of data. The upper computer software has the functions of reading, consulting and saving historical data.

1. Various test modes: single-phase test, three-phase test, three-phase blind test, Z-type test;
2. Large capacity storage: It can store 500 sets of test data.
3. Wide measurement range: variable ratio 0.9~10000
4. Measurement accuracy: 0.2% when the variable ratio is 0.9 to 2000, and 0.5% from 2000 to 10000.
5. Max. resolution: 0.0001.
6. Support for computer-side control.
7. Support for Bluetooth control.

II, Functions and Parameters

Function	It is mainly used for transformer ratio and group test of three-phase transformer, transformer ratio and polarity test of single-phase transformer, PT and CT. This product can conduct blind test of three-phase transformer and change ratio and group test of Z-type transformer.
Type of test product	Single-phase transformer, three-phase transformer, Z-type transformer, PT, CT
Variable ratio range	0.9~10000
Overload protection	Yes
Power	DC9.6V 3800mAh Large capacity lithium battery
Charging function	Yes
Display mode	5-inch touchscreen (854dots 480dots) full-color LCD display
Interactive mode	Touch screen & button
LCD size	Length * width: 108 mm×65mm
Instrument size	Length * width * height: 229mm×166mm×74mm
Mobile APP	Yes, Bluetooth connection
Computer connect	Yes, the USB cable connection

Data storage	500 groups
Data access	Data access function
Battery voltage	Real-time display of battery power indicates that the battery should be charged in time when the voltage is low
Auto shut off	Automatic shutdown can be set for 1 to 30 minutes
Power dissipation	Standby: about 2W (100% brightness) Measured at: 12W Max
Weight	Instrument: 1.5kg (including battery) Test cables: 1.7kg
Working temperature and humidity	-10°C~40°C; below 70%rh
Store temperature and humidity	-20°C~60°C; below 70%rh
Insulation resistance	Above 10 M Ω (500V between circuit and housing)
Withstand voltage	AC 3700V / rms (between circuit and enclosure)
Electromagnetic characteristics	IEC61010-4-3, Wireless frequency electromagnetic field $\leq 1V/m$
Suitable for safety	IEC61010-1, CAT III 600V, Pollution grade 2

Regulations	
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◆Note: This introduction is for reference only. Please read the instruction manual for detailed parameters.

III, Pack list

Instrument	1 set
Test cables	2 groups (1 in red, black, 3 lines each)
CD	1 pcs
USB	1 pcs
Charger	1 pcs
Manual and warranty certificate	1 set
Instrument box	1 pcs