

## 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

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

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



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