

S456

AUTOMATIC TURN RATIO TESTER



INSTRUCTION MANUAL

SECTION 1

CATALOG

Safety Instructions	3
1.1 General Requirements	3
1.2 During Connection and Testing	3
1.3 Equipment Condition and Environment	3
1.4 Battery and Charging	4
1.5 Abnormal Conditions	4
Introduction	5
2.1 Key Features & Advantages	5
2.1.1 Advanced Diagnostic Functions	5
2.1.2 Safety Protections	6
Specifications	7
3.1 Range and Accuracy	7
3.2 General Specifications	7
3.3 Test Leads Corresponding Interface	9
Structure	10

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester
www.eaglotest.com
Eaglotest Technology

SECTION 1

Operation	11
5.1 Instrument operation	11
5.1.1 Power ON/OFF	11
5.1.2 System setup	12
5.1.3 Date and time settings	13
5.1.4 Measurement Parameter Interface	13
5.1.5 Measurement Results Interface	16
5.1.6 Tap Position Auto-Calculation	17
5.1.7 Record Search Interface	18
5.1.8 Instructions for using the printer	19
5.2 Wiring test	20
5.2.1 Three-phase transformer wiring	21
5.2.2 Single-phase transformer or single-phase PT wiring	21
5.2.3 Single-phase CT wiring	22
APP	23
Battery Management	26

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester
www.eaglotest.com
Eaglotest Technology

Packing List	27
--------------------	----

Safety Instructions

1.1 General Requirements

- Qualified personnel only. Operate this instrument only if trained in electrical safety and transformer testing.
- De-energized DUT only. The transformer/device under test (DUT) must be isolated and confirmed de-energized using site-approved procedures (e.g., LOTO). Never test on an energized DUT.
- Assume hazardous voltage. Induced voltage, backfeed, or stored energy may exist even after isolation. Treat all terminals as live until verified safe.

1.2 During Connection and Testing

- No contact during test. Do not touch bushings, clamps, exposed conductors, or terminals while measurement is running.
- Correct sequence.
- Connect leads to the instrument first, then connect to the DUT.
- For disconnection, remove leads from the DUT first, then from the instrument.
- No HV/LV reversal. Verify HV and LV connections before starting the test.

1.3 Equipment Condition and Environment

- Do not use damaged equipment. Do not operate if the instrument, connectors, or test leads are damaged or insulation is compromised.
- Keep dry. The instrument is not waterproof; avoid rain, condensation, and

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 1

excessive humidity.

- Avoid strong EMI. Strong electromagnetic fields may affect measurement stability.

1.4 Battery and Charging

- Specified charger only. Use only the supplied/approved charger.
- Recharge promptly. Recharge when battery is low to maintain performance and battery life.

1.5 Abnormal Conditions

- Stop immediately if protection trips repeatedly, readings are unstable, or unusual odor/noise occurs. Disconnect following the recommended sequence and investigate before continuing.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

Introduction

The S456 Automatic Transformer Turns Ratio Tester (TTR) is a state-of-the-art diagnostic instrument engineered for precise measurement of turns ratio, vector group, and polarity in transformers.

It is designed to seamlessly test a comprehensive range of transformers, including 3-Phase, Single-Phase, Potential Transformers (PT), Zigzag (Z-type) Transformers, Current Transformers (CT).

2.1 Key Features & Advantages

- **High-Efficiency 3-Phase Testing:** Utilizes simultaneous three-phase excitation technology to drastically reduce testing time and improve on-site efficiency.
- **Exceptionally Wide Measurement Range:** Capable of measuring turns ratios up to 10,000, accommodating a vast array of transformer sizes and configurations.
- **Intuitive User Interface:** Features a large, high-definition color LCD touch screen for streamlined parameter setup and clear results visualization.
- **On-the-Go Operation:** Equipped with a high-capacity, built-in lithium battery, enabling extended field testing without the need for an external AC power source.

2.1.1 Advanced Diagnostic Functions

- **Automatic Vector Group Detection (Blind Test):** Intelligently identifies the transformer's vector group and turns ratio even without prior nameplate data.
- **Zigzag Transformer Compatibility:** Fully supports complex measurements for Zigzag winding configurations.
- **Phase Shift Measurement:** Delivers highly accurate measurements of the phase angle deviation between the High Voltage and Low Voltage sides.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 2

2.1.2 Safety Protections

- Reverse Polarity Protection: Instantly alarms and halts output if the HV and LV test cables are inadvertently reversed, preventing catastrophic damage to the instrument and transformer.
- Short-Circuit Protection: Automatically interrupts the test voltage in the event of an output short circuit.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

Specifications

3.1 Range and Accuracy

Ratio Test	Accurate	Resolution
0.8000 to 9.9999	$\pm (\text{reading} \times 0.1\% + 3 \text{ dgt})$	0.0001
10.000 to 99.999	$\pm (\text{reading} \times 0.1\% + 3 \text{ dgt})$	0.001
100.00 to 999.99	$\pm (\text{reading} \times 0.2\% + 3 \text{ dgt})$	0.01
1000.0 to 9999.9	$\pm (\text{reading} \times 0.3\% + 3 \text{ dgt})$	0.1

3.2 General Specifications

Output Signal	Three-phase sinusoidal inverter power output with automatic output voltage regulation, including soft-start and soft-stop functions
Functions	Turns ratio, vector group, and polarity testing for three-phase transformers, single-phase transformers, PT, and Z-type transformers
Ratio Test	0.8000~10000
Tap Changer	1 to 197 tap positions
Test Voltages	90V AC
Output Protection	HV/LV reverse-connection protection; output short-circuit protection
Display Mode	5.6-inch touchscreen
Data Storage	Up to 500 sets of records

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China**S456**
Auto Turn Ratio Testerwww.eaglotest.com
Eaglotest Technology

SECTION 3

Data Export	The saved data can be exported via USB flash drive or computer software
Data Printing	Connect to a Bluetooth printer to print out the current measurement results or the saved data
Mobile APP	Connects to a smartphone via Bluetooth. The app supports remote control of measurement, reading instrument data, and exporting data in Excel format
PC Software	Connect to a computer via USB for measurement control, data saving, and Excel export
Backlight function	3-level brightness adjustment. After 5 minutes of inactivity, the backlight dims automatically to save power
Power Detection	When battery voltage is low, the battery icon indicates empty and a prompt is displayed; the instrument powers off automatically after 30 seconds with no operation
Automatic Shutdown	Selectable: 15 / 30 / 60 / 120 minutes, or disabled
Power Consumption	Approx. 380mA for standby, approx. 600mA for output measurement (maximum LCD brightness)
Power	Built-in 12.6V 5200mAh lithium battery
Instrument size	Approx. 320mm× 275mm× 145mm
Instrument Weight	Instrument: about 3.5kg (including battery) Test Lead: Approx. 1.12kg Gross Weight: about 6.7kg (instrument + test cable + printer + charger + tool bag)
Test Lines	Three-core sheathed leads; one red (HV) and one black (LV), length 10 m (End A: 50 A clamp; End B: banana plug)

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 3

Working Environment	-10 °C to 60 °C; 0 to 90% RH, non-condensing
Storage Environment	-10 °C to 60 °C; 0 to 75% RH
Safety Regulations	IEC61010-1

3.3 Test Leads Corresponding Interface

Test Color	Yellow	Green	Red
HV Markings	A	B	C
	U	V	W
	H1	H2	H3
LV Markings	a	b	c
	u	v	w
	X1	X2	X3

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

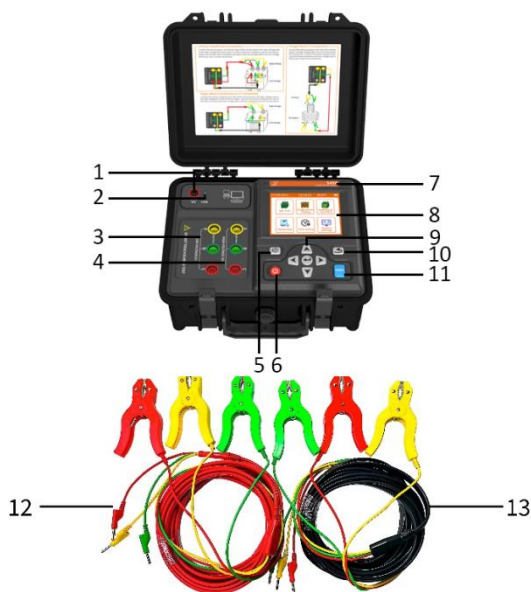
Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 4

Structure



- | | | | |
|---|---------------------|----|--------------------|
| 1 | Power charging port | 8 | Color touch screen |
| 2 | USB port | 9 | Operation button |
| 3 | LV terminal | 10 | Operation button |
| 4 | HV terminal | 11 | Operation button |
| 5 | Operation button | 12 | Red HV test lead |
| 6 | Operation button | 13 | Black LV test lead |
| 7 | Model labeling | | |

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

Operation

Caution	Do not reverse the connection of the HV and LV test leads during testing.
	Do not short-circuit the connector of the instrument, otherwise the output and measurement of the instrument will be affected.
	Disable the "Data Export Function" when the instrument is connected to the computer to avoid damage to the instrument or computer.
	Please charge the battery in time when the battery is low, otherwise it is easy to damage the battery.
	The instrument is not waterproof, please do not use it in rainy environment.

5.1 Instrument operation

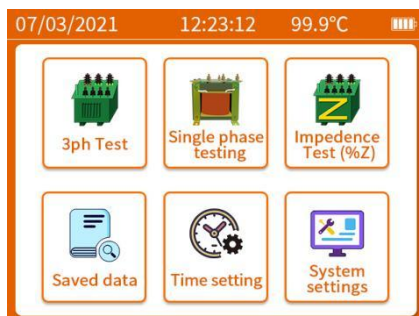
5.1.1 Power ON/OFF

Power ON/OFF: press and hold the  key for 2 seconds, the instrument will turn on and enter into initialization (about 3 seconds), and enter into the function menu interface after the completion of initialization. Short press the  to turn off the instrument.

Auto shutdown: When the low power or auto shutdown time reaches, the instrument

SECTION 5

buzzer rings and pop-up window reminds, and it will shut down automatically after 30 seconds, press any key to cancel.



5.1.2 System setup

Setting: Select the System Setting in the menu interface and press  to enter the system setting interface to set "Brightness", "Bluetooth", "Sound", "Printer", and "Auto Power Off". Select the required option by pressing the   key, and press the  key or   key to turn on or off.



Screen brightness: After the instrument is turned on for 5 minutes without operation, the instrument automatically reduces the brightness to save power, press any key to restore the set brightness.

Firmware Upgrade: When selecting the "Firmware Upgrade" option and pressing  ,

a pop-up window "Waiting for Upgrade" will appear waiting for PC to send the upgraded firmware. Exit upgrade by pressing any key before upgrading. When you enter the upgrade state, you can not operate the meter. Please don't power off or disconnect during the upgrade process, the meter will restart automatically after the upgrade is completed.

5.1.3 Date and time settings



The time setting interface is used to calibrate the instrument time. After entering the time setting interface, press the "◀" or "▶" key to move the cursor, press "▲" or "▼" key to modify the time and date parameters. After setting, press "↩" key to save the actual setup.

5.1.4 Measurement Parameter Interface

Test function:

Three-phase test: ratio and vector group test for three-phase transformers.

Single-phase test: CT, PT, ratio and polarity test for single-phase transformer.

Z-Type Test: Ratio and vector group test for Z-type transformers.

Normal Test: suitable for the confirmed HV and LV vector group of three-phase transformers, just enter the correct HV and LV vector group to start the test.

Blind Measurement Function: auto vector recognition, suitable for unclear vector group for HV and LV winding, it can accurately measure the ratio and vector group.

SECTION 5

Parameter Description:

1. **Sample No.:** Enter an identification code for the device under test (DUT) for this measurement. The name can be user-defined.
2. **Rated HV / Rated LV:** Enter the rated high-voltage and low-voltage values from the transformer nameplate. If required, you may also enter values based on the actual ratio relationship. These two parameters are used as the reference rated ratio when the instrument calculates ratio error. Only after these values are set correctly can the instrument calculate the current tap position and ratio error.
3. **Tap Spacing:** The rated tap step and rated tap position provide the baseline for tap position calculation and should be entered according to the nameplate. For a transformer without tap positions, set the rated tap position to 00 or 01.
Example: If the nameplate shows $220\text{ kV} \pm 8 \times 1.25\% / 35\text{ kV}$, the rated tap step is 1.25%, the total number of taps is 17, and the rated (neutral) tap position is the middle position 9. Therefore, set the rated tap position to 09.
4. **Rated tap changer:** Set the transformer connection and vector group. If the connection and vector group are known, enter the correct values. If unknown, select “?” to allow the instrument to measure/determine the vector group automatically.
5. **Measurement method:**
 - Three-phase Ratio: Measures three-phase ratio based on the selected HV/LV connection and vector group.
 - Vector Group Only: Measures only the vector group.
 - 3-phase AB / 3-phase BC / 3-phase CA: Measures the ratio for the selected phase pair only.

Note: When Auto is selected, the instrument automatically determines the vector group. In Normal Test mode, the vector group must be set correctly; otherwise, the measurement result may be incorrect. In Blind Test mode, if “?” / “?” / Auto is selected, the instrument may not determine the exact connection type, but it can identify the HV–LV clock phase angle, and this does not affect the ratio measurement result.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 5

Parameter setting:

Press ▲ ▼ to switch the parameter that needs to be set, press ◀ or ▶ to enter the setting state of this parameter and select the data bit that needs to be set, then press ▲ ▼ to modify the selected data, and then press ↵ to save after the setting is completed.

07/03/2021 12:23:12 99.9°C

Single phase testing > Parameter settings

Sample number :	000001	Tap spacing :	5.00%
Rated high voltage :	020.00kV	Rated tap changer :	+02
Rated low voltage :	53.000kV	Meas method :	Single phase transformer

《 Describe 》
Set the tap spacing of the transformer tap changer for calculating the tap position and ratio error of the transformer. Attention: ignore this parameter for samples without tap changers.

Test

Three-phase test parameter setting interface

2025/04/11 15:42:50

3ph Test > Blind Testing Function > Parameter Settings

Sample number :	000001	Tap spacing :	5.00% +00
Rated high voltage :	010.00kV	Rated tap changer :	? ? Auto
Rated low voltage :	00.400kV	Meas method :	3ph Ratio

Test

Three-phase blind test parameter setting interface

2025/04/11 15:44:13

Impedance Test (%Z) > Parameter Settings

Sample number :	000001	Tap spacing :	5.00% +00
Rated high voltage :	010.00kV	Rated tap changer :	ZN Y Auto
Rated low voltage :	00.400kV	Meas method :	3ph Ratio

Test

Z-type test parameter setting interface

2025/04/11 15:45:45

Single Phase Testing > Parameter Settings

Sample number :	000001	Tap spacing :	5.00%
Rated high voltage :	010.00kV	Rated tap changer :	+00
Rated low voltage :	00.400kV	Meas method :	Single phase transformer

Test

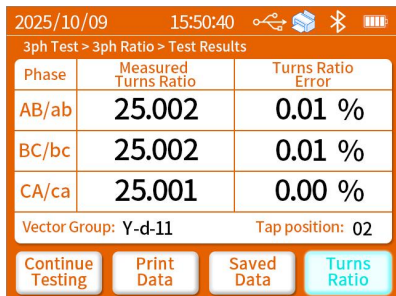
Single-phase test parameter setting interface

SECTION 5

5.1.5 Measurement Results Interface

When the completion of measurement, it enters the test result interface, choose the functions of "Continue Test", "Print Data" and "Save Data", press     to switch and select the required function options, and press  key to execute. Press the "Turns Ratio" key to switch the display between the measured turns ratio and the voltage ratio.

The following figure shows the test result screen for the three-phase test:



2025/10/09 15:50:40

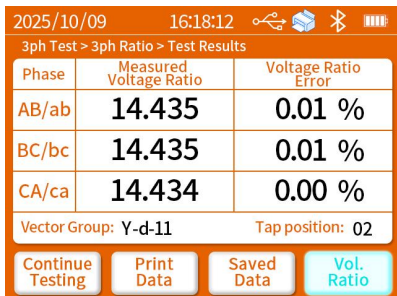
3ph Test > 3ph Ratio > Test Results

Phase	Measured Turns Ratio	Turns Ratio Error
AB/ab	25.002	0.01 %
BC/bc	25.002	0.01 %
CA/ca	25.001	0.00 %

Vector Group: Y-d-11 Tap position: 02

Continue Testing Print Data Saved Data Turns Ratio

Three-phase test result interface



2025/10/09 16:18:12

3ph Test > 3ph Ratio > Test Results

Phase	Measured Voltage Ratio	Voltage Ratio Error
AB/ab	14.435	0.01 %
BC/bc	14.435	0.01 %
CA/ca	14.434	0.00 %

Vector Group: Y-d-11 Tap position: 02

Continue Testing Print Data Saved Data Vol. Ratio

Three-phase test results-Voltage Ratio interface



2025/04/11 15:50:07

3ph Test > Vector Group Testing > Test Results

< Vector Group >
D-yn-11

Continue testing Print Data Save Data

Group test result interface

SECTION 5

Single-phase test result interface:

2025/10/09 16:21:04	
Single Phase Testing > Single Phase PT > Test Results	
Measured Turns Ratio	25.002
Turns Ratio Error	0.01 %
Polarity	Reverse Polarity
Phase Deviation	359.9 °
Tap position	02
Continue Testing	Print Data
Saved Data	Turns Ratio

Single-phase transformer test result interface

2025/10/09 16:22:00	
Single Phase Testing > Single Phase CT > Test Results	
Measured Turns Ratio	25.002
Turns Ratio Error	0.01 %
Polarity	Reverse Polarity
Phase Deviation	359.9 °
Continue Testing	Print Data
Saved Data	Turns Ratio

Single-phase CT test result interface

5.1.6 Tap Position Auto-Calculation

This function calculates and displays the transformer tap position automatically, provided the rated parameters are entered correctly.

Prerequisites

Before testing, make sure Rated HV, Rated LV, and Tap settings are filled in. Tap position calculation depends on these values.

Procedure

- Enter the rated (neutral) tap position**
Input the nameplate rated tap position (usually the middle/neutral position).
Example: for 11 positions, the neutral is typically position 6.
- Enter the tap step (tap spacing)**
Input the per-step percentage from the nameplate.
Example: 2.5%
- Start the test**
Run the measurement with the above parameters saved. After the test completes, the calculated tap position will be shown on the Result screen together with ratio results.

SALES OFFICE

Email: sales@eaglotest.com
Tel: +86 020 31529626
Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester
www.eaglotest.com
Eaglotest Technology

4. Change the transformer tap and re-test

Physically change the tap position on the transformer, then select Continue Testing on the instrument. The S456 will perform the next measurement, and the new tap position will be updated on the next Result screen.

Example (Nameplate-Based Setup)

Transformer has 11 positions with 2.5% per step → set Rated Tap Position = 6, Tap Step = 2.5%. Run the test to display the calculated tap position. After changing taps, use Continue Testing to update results.

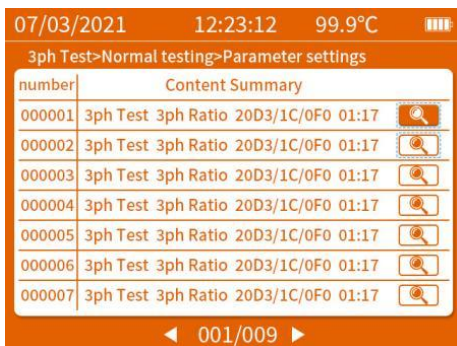
5.1.7 Record Search Interface

Record Viewing: After entering the record query interface, the instrument displays the record list, which contains the test date, time, type and other information of each record. Press     to select the measurement parameters required, and press  to enter the specific access interface to view the specific contents of the records.

Data Deletion: In the record query interface, press the "TEST" key to bring up a pop-up window prompting the user whether to delete the saved records. Select "Yes" option and press  key to delete all stored data, select "No" and press  key or press other keys to quit deleting data.

Note: The data deletion operation will delete all the measurement data, please pay attention to backup the data before deletion, the deletion operation will take about 8 seconds, and there will be a pop-up window prompting when the deletion is completed.

SECTION 5



5.1.8 Instructions for using the printer

The Bluetooth printer needs to be connected to the instrument before use, and then select the desired print data to print.

Printer connection steps:

- Power ON, and the printer's power indicator lights up and blinks;
- The instrument turns on the printer function. Turn on the "Printer Settings" function in the instrument setup screen;
- Wait for the printer to connect, when the instrument displays the printer icon then the instrument is successfully connected to the printer.

Printer paper: printer "MODE" indicator light on behalf of the printer out of paper, grab the printer compartment cover on both sides up to open the paper compartment cover; insert the print paper into the center, and pull the paper out of a section so that it exceeds the position of the tear paper, paper smooth face up (otherwise it can not be printed on the paper); the printer compartment cover closed, a short press on the "FEED" button, then the whole process for paper change completes.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 5

5.2 Wiring test

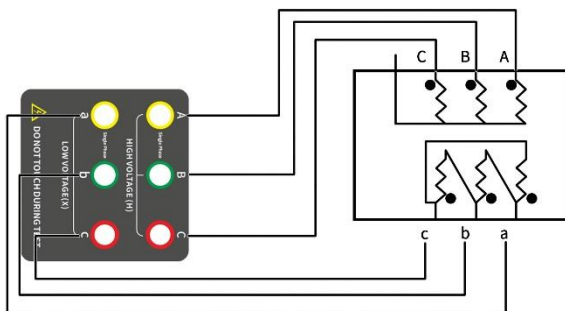
Caution	Electrically charged and dangerous! It must be operated by trained and authorized personnel. The operator must strictly observe the safety rules, otherwise there is a risk of electric shock, causing personal injury or equipment damage.
	Danger! Do not measure the charged transformer, must be disconnected from the test before wiring, please make sure that the test item does not store voltage, otherwise there is a danger of electric shock, resulting in personal injury or equipment damage.
	Before testing, connect the test line to the instrument, and then connect the test line to the transformer under test correctly. The high and low voltage sides of the instrument need to be connected correspondingly with the HV and LV sides of the transformer, and cannot be reversed.
	Test wires must not be short-circuited to each other or connected to ground during testing;
	During the test, the operator should not touch the measuring port of the instrument, the measuring line and the transformer interface to avoid personal injury.
	The test cable must be removed from the object under test before it can be unplugged from the meter after the test is completed.

This instrument can measure the ratio, ratio error, connection group, tap position, polarity, angle difference and other parameters of three-phase transformer, Z-type transformer, single-phase transformer, single-phase voltage transformer, single-phase current transformer. When using the instrument and the test device need to be correctly wired and set the measurement parameters.

SECTION 5

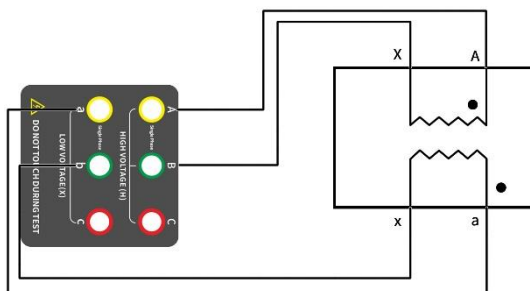
5.2.1 Three-phase transformer wiring

The yellow, green and red test clamps of the red test wire on HV side of the instrument need to be clamped on the HV phase A, B and C of the specimen, and the yellow, green and red test clamps of the black test wire on the LV side of the instrument need to be clamped on the LV phase a, b and c of the specimen.



5.2.2 Single-phase transformer or single-phase PT wiring

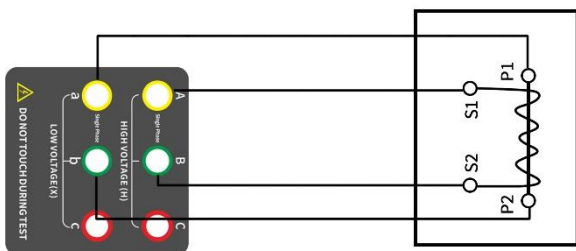
The yellow and green test clamps of the red test wire on the HV side of the instrument should be clamped on the HV end of the specimen; the yellow and green test clamps of the black test wire on the LV side of the instrument should be clamped on the LV end of the specimen.



SECTION 5

5.2.3 Single-phase CT wiring

The yellow and green test clamps of the red test wire on the HV side of the instrument should be clamped on the secondary side of the specimen; the yellow and green test clamps of the black test wire on the LV side of the instrument should be clamped on the primary side of the specimen.



SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

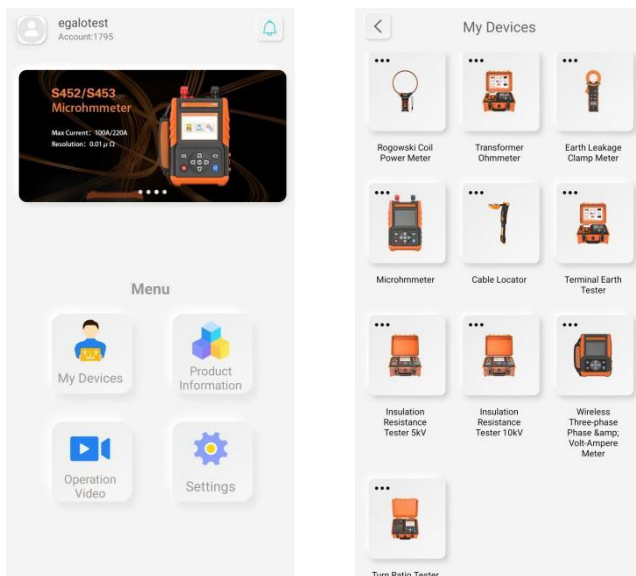
S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 6

APP

Download the dedicated E-TEST APP software, log in and click on My Devices, and find the fully automatic ratio tester under the device list.



Click on it to enter the device connection option, when only this instrument is nearby, turn on the Bluetooth option, only need to select the device with the strongest signal to start the connection and automatically synchronize the data.

SALES OFFICE

Email: sales@eaglotest.com

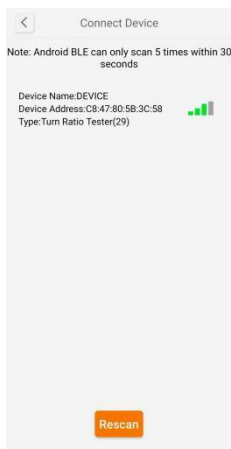
Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

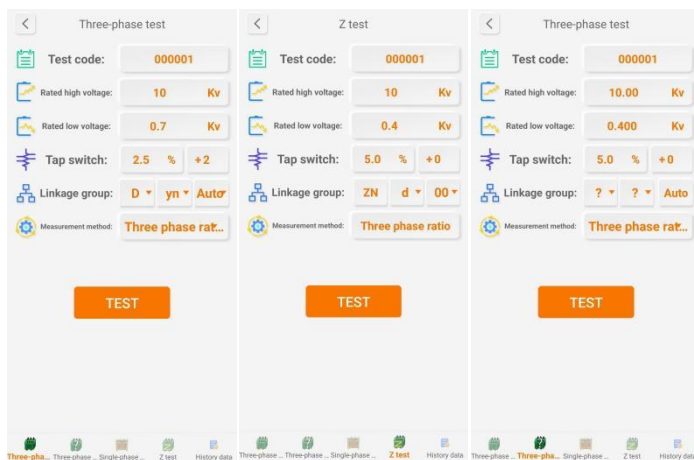
S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 6



After the connection is completed, click on the corresponding test interface to carry out parameter setting and control test, and the test results will be displayed under the parameter setting interface after the test is completed.



Click on Historical Data to read the instrument's saved data.

SALES OFFICE

Email: sales@eaglotest.com

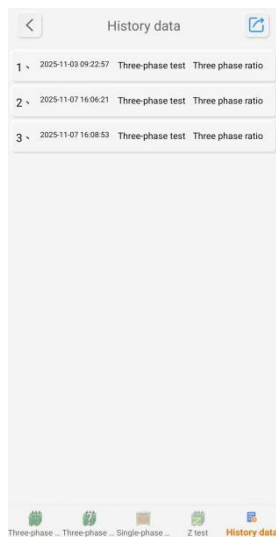
Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 6



Click the Share button in the upper right corner to export to Excel or forward.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

Battery Management

- Charge the battery in time, and charge the battery every 3 months if the meter is not used for a long time.
- When replacing the batteries, note the battery polarity or the meter may be damaged.
- When the battery voltage is lower than 10.8V, please charge it in time, the charging time is about 4 hours.
- If can't turn on the instrument after long time storage, please use the charger to charge continuously for 8 hours and then try to turn on the instrument, if you still can't turn on the instrument and the instrument doesn't respond please contact Eaglotest.
- Please use 12.6V charger for charging, otherwise it is easy to damage the battery.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

SECTION 8

Packing List

Instrument	1
Tool Bag	1
Three core sheathed test lead (10m)	1 set (Red and Black)
Bluetooth printer	1
12.6V 1A Charger	1
Dual A-port USB communication cable	1
Instruction manual, warranty card, certificate of conformity	1

Note:

- We are not responsible for other damages caused by the use of this product.
- The contents of this user manual do not justify the use of the product for special purposes.
- The Company reserves the right to modify the contents of the user manual. In case of modification, no further notice will be given.

SALES OFFICE

Email: sales@eaglotest.com

Tel: +86 020 31529626

Add: Building 4, No.18 Keyuan Road,
Baiyun District, Guangzhou, Guangdong, China

S456
Auto Turn Ratio Tester

www.eaglotest.com
Eaglotest Technology

