Transformer Turn Ratio Test Set MODEL : TR-211

The turn ratio error of transformer is measured efficiently

PC08-11-04EN

Features :

- **Reference transformer built-in.**
- **Direct reading of turn ratio error by digital indication available.**
- **Turn ratio from 1.0 up to 111.1 can be measured.**

Outline :

This test set is designed to measure efficiently for the turn ratio error of transformer. The turn ratio error can be read by digital meters (% indication).
Reference transformer with fair turn ratio is built-in, and by comparison measurement of voltage (voltage differentiality) with secondary of built-in reference transformer and low voltage aspect of a transformer under test, turn ratio error of a transformer under test is indicated. Primary (Variable aspect of turn ratio ・high voltage aspect) of built-in reference transformer and high voltage aspect of a transformer under test are connected in parallel and the voltage is applied.

Specifications :

■Power supply
Frequency : 50Hz or 60Hz (Select by Hz switch)
Voltage : AC100V±10V 1φ

■Voltage for test
×1 magnification : 25V(turn ratio 1)～277.75V (11.1)
×10 magnification : 25V(turn ratio 10)～277.75V (111.1)
Output capacity : 100VA

■Preset range for turn ratio (Preset digit : 4 digits)
×1 magnification : 1.000 ～ 11.11
×10 magnification : 10.00 ～ 111.1

■Measuring range for turn ratio error

Test range (%)	5	50
Measuring range (%)	0.00 ～ ±5.00	0.0 ～±50.0
Resolution (%)	0.01	0.1
Accuracy (%)	×1 magnification	±(5%rdg＋5digits)
Accuracy (%)	×10 magnification	±(5%rdg＋10digits)

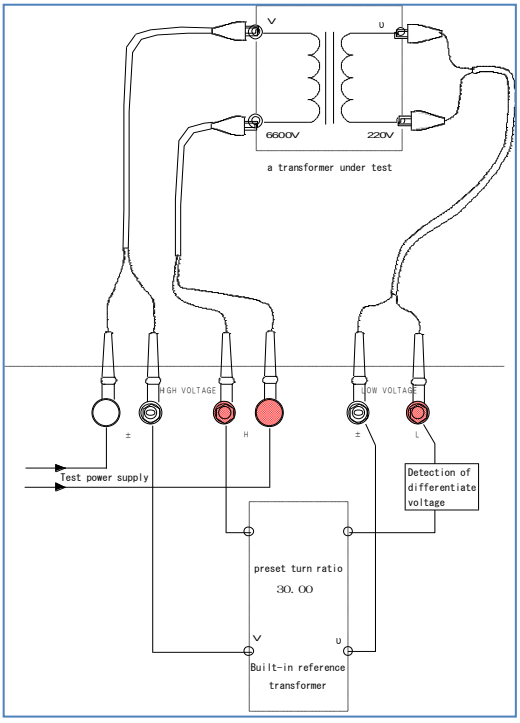
■Polarity
subtractive polarity
Test Power is supplied from 「HIGH VOLTAGE 」 terminal to 「High voltage aspect」 of a transformer under test. And so, 「Low voltage aspect」 of a transformer under test is required to connect with 「LOW VOLTAGE」 terminal of TR-211.

■Standard accessories
(1) Power supply cord :5m(L)×1 (with 3P-2P adaptor)
(2) High voltage (H) connection cord : 5m(L) × 1
(3) High voltage (±) connection cord : 5m(L) × 1
(4) Low voltage connection cord : 5m(L) × 1

■Dimensions
310 (H) × 500 (W) × 300 (D) mm

■Weight : 30 kg (approx.)

Connecting example with a transformer under test



Specifications may be changed without preliminary notice.

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