H.V. TEST

Specialists in High Voltage Testing & Diagnostics

HVRW320
Transformer Comprehensive Tester (TTR&WR)

The HVRW320 is a comprehensive testing unit for large capacity transformers and only requires one set of equipment to complete the tests of two items: DC resistance test and ratio group test of distribution transformers, without the need for frequent disassembly, assembly and connection of test circuits.

Projects

Repairs

Services

Training

Products



Features:

- One time wiring, can complete the direct resistance test, ratio test.
- Direct resistance test function, for Yn-type, Y-type and △-type windings can be used for three-phase automatic testing, and calculate the three-phase imbalance rate; the highest output current of 20A, to meet the distribution network transformer low-voltage coil very low resistance value of the test.
- Ratio test function, with three-phase, single-phase, Z-type transformer test function; PT / CT ratio, polarity test function; blind test function.
- With a variety of wired, wireless communication interface, convenient instrument function expansion.
- The instrument adopts embedded Linux operating system with high security, smoothness and ease of use.
- The instrument adopts A7+M4 dual-core architecture, i.e., to meet the real-time measurement, but also meet the smoothness of operation.
- Industrial-grade 7-inch large screen display, simple display style design, to create a comfortable and convenient human-computer interaction experience
- The instrument is powered by a large-capacity lithium battery with a built-in charger, which is convenient for users to charge at any time.

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TECHNICAL SPECIFICATIONS

Direct Resistance Test

• Output Current	20A, 10A, 5A, 1A, 0.1A, ≤10mA
• Measurement Range	Tap 20A, 0.5mΩ～ 100mΩ Tap 10A: 1.0mΩ～ 300mΩ Tap 5A: 10 mΩ～ 1.0 Ω Tap 1A: 200mΩ～ 6.0 Ω Tap 0.1A: 2.0 Ω～ 60 Ω Tap ≤10mA: 30 Ω～ 50 kΩ
• Accuracy	± (reading x 0.2% + 2 words)

Ratio Test

• Measurement Range	0.9～10000
• Accuracy	± (reading x 0.1% + 2 digits) (≤500) ± (reading x 0.2% + 2 digits) (>500≤3000) ± (reading x 0.3% + 2 digits) (>3000)
• Resolution	0.9～9.9999 (0.0001) 10～99.999 (0.001) 100～999.99 (0.01) 1000～9999.9 (0.1) 10,000 and above (1)

General

• Power Supply	Built-in lithium battery, capacity 7.8AH
• Charging Voltage, Frequency	AC 85～264V,47～63Hz
• Temperature	-10℃～50℃
• Relative Humidity	＜90%, non-condensing
• Weight	6.5kg
• Dimension	318 × 280 × 204mm

Included

- Test Leads (2 each of yellow, green, red and black) (x8)
- Mains Cable (x1)
- Earth Wire (x1)
- Fuses (2A) (x3)
- Printing Paper (x2)
- User's Manual (x1)
- Test Report (x1)
- Certificate of conformity (x1)

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