

Transformer Tester

5465/5466/5467

Features

- 48 channels
- Basic accuracy up to $\pm 0.1\%$
- Support with Meter mode function, simultaneously display four parameters
- Pneumatic fixture F5648 built-in 100mA DC Bias
- Open circuit/short circuit function
- USB Host storage can save setting files, data and capture the screen
- Support RS-232, Handler, LAN, USB Host interfaces
- Using in transformer production line, quality assurance or incoming quality control department



CE RS-232 Handler Print Port

Accessories/Fixtures

Standard

- Power Cord
- F5648
- Foot switch (F522010)

Optional

- PC Link software
- RS-232 cable
- Handler Box
- F423501 (5465)
- F423901 (5466/5467)
- FX-000C26

Key Feature



5467+F5648



Inductive method/voltage method for measuring turns ratio

Applications

Power transformer, Network communication transformer, electronic transformer

Specification

| Model Name | 5465 | 5466 | 5467 | |
|--|--|------------------------------|------------------------------------|-------|
| Test Frequency | 10Hz-200kHz | 10Hz-500kHz | 10Hz-1MHz | |
| Channel | 48 | | | |
| Frequency Resolution | 5 digits | | | |
| AC Drive Level | 10mV-2Vrms | | | |
| Turn Ratio Frequency | 50Hz-200kHz | | | |
| Output Impedance | 100Ω | | | |
| LCR function | ● | ● | ● | |
| Fixture F5648 | DC Bias 100mA | | | |
| Measurement Parameters | Inductance (L), Impedance (Z), Capacitance (C), Resistance (R), Conductance (G), Susceptance (B), Admittance (Y), Alternating Current Resistance (ACR), Quality Factor (Q), Phase angle (∅), Direct Current Resistance (DCR), Leakage Inductance, Turn Ratio, Balance, Short Circuit | | | |
| Parameters Measurement Ranges and Accuracy | Test Item | Range | Basic Accuracy (AC paramete: 1KHz) | Speed |
| | L, LK | 0.1nH-9999.99H | 0.1% | 25ms |
| | C | 0.00001pF-999.99mF | 0.1% | 25ms |
| | Q, D | 0.00001-99999 | 0.0005 | 25ms |
| | Z, X, R | 0.00001Ω-99.9999MΩ | 0.1% | 25ms |
| | Y | 0.01nS-99.9999S | 0.1% | 25ms |
| | ∅ | -180° -+180° | 0.03° | 25ms |
| | DCR | 0.1mΩ-99.999MΩ | 0.1% | 25ms |
| | Turn-Ratio | 0.1-99999.9 turns | 0.5% | 50ms |
| | Pin-Short | 12 pairs, between pin to pin | - | 15ms |

General

| | |
|---------------------|--|
| Measurement Mode | LCR + Transformer |
| Measurement Circuit | Series/Parallel |
| Correction | Open Circuit/Short Circuit |
| Built-in Storage | testing files 128 sets |
| USB Host Storage | Depend on USB capacity |
| Operation | Auto, Manual, Remote Trigger |
| Interface | RS-232, Handler, LAN, USB Host, EXT. I/O |
| Power Supply | Voltage 98Vac-132Vac or 195Vac-264Vac Frequency 47-63Hz |
| Power Consumption | 70VA |
| Display | 800*480 Color Screen, 7" TFT |
| Environment | Temperature: 10°C-40°C, Humidity: 10-90%RH |
| Dimension (W*H*D) | 344×145×343mm |
| Weight | 9kg |