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Transformer  
Tester

# Transformer Tester

5235/5236/5237/5238



Key Feature

- Basic Accuracy up to 0.1%
- Support computer software connection and advanced software editing function
- Innovative fixture zero-setting function
- Able to test 30 items per second under fastest test speed
- Optional 100mA DC Bias / Meter Mode function (5237/5238)

Accessory

Standard

- Power cord
- User manual CD
- Transformer Scan Box (F5220)
- 5237/5238 BNC Kevin Clips (F423501)

Optional

- Transformer Test Link Software
- RS-232 Cable
- Handler Box
- D-Sub Footswitch

General

|                   |   |
|-------------------|---|
| Power Supply      | 90Vac ~ 125Vac or 190Vac ~ 250Vac / 48Hz ~ 62Hz |
| Display           | 320*240 dot-matrix display                      |
| Interface         | RS-232 、 Handler (option) 、 USB (option)        |
| Flash Memory      | 64 Sets   |
| Operation         | Auto 、 Manual 、 Remote Trigger                  |
| Environment       | Temperature : 10 ~ 40°C 、 Humidity : 20 ~ 90%RH |
| Dimension (W*H*D) | 365x145x396 mm                                  |
| Weight            | 9 Kg  |

## Measuring Range

| Item      | Range                        | Basic Accuracy | Test Speed |
|-----------|------------------------------|----------------|------------|
| L, LK     | 0.1nH - 9999.99H             | 0.1%           | 75mS       |
| C         | 0.00001pF - 999.99mF         | 0.1%           | 75mS       |
| Q, D      | 0.00001 - 99999              | 0.0005         | 75mS       |
| Z, X, R   | 0.00001Ω - 99.9999MΩ         | 0.1%           | 75mS       |
| Y         | 0.01nS - 99.9999S            | 0.1%           | 75mS       |
| θ         | -180° - +180°                | 0.03°          | 75mS       |
| DCR       | 0.01mΩ - 99.999MΩ            | 0.1%           | 25mS       |
| Turn      | 0.01 - 99999.99 turns        | 0.5%           | 75mS       |
| Pin-Short | 12 pairs, between pin to pin | -              | 25mS       |

## Specification

|                               |   |  |
|-------------------------------|---|--|
| Operating Frequency           | 5235  | 20Hz-200kHz                            |
|                               | 5236  | 20Hz-500kHz                            |
|                               | 5237  | 20Hz-1MHz (with Meter Mode function)   |
|                               | 5238  | 20Hz-200kHz (with Meter Mode function) |
| Turn Ratio Frequency          | 50Hz-200kHz (10Vac Max.)  |  |
| 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 |  |
| Basic Accuracy                | ±0.1%   |  |
| Output Impedance              | 100Ω  |  |
| Frequency Trimming Resolution | 5 Digits  |  |
| Frequency Output Accuracy     | ±0.01%  |  |
| Channel                       | 20  |  |
| Equivalent Circuit            | Series / Parallel   |  |
| Mathematical Mode             | Absolute / Percentage   |  |
| Calibration                   | Open Circuit / Short Circuit / Load Calibration   |  |