

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
- 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)
  - D-Sub Footswitch
  - 5237/5238 BNC Kevin Clips (F423501)
- Optional

  - Transformer Test Link Software
  - RS-232 Cable
  - Handler Box

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℃ / Humidity : 20 ~ 90%    |
| 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       |

|                               |                                                                                                                                                                                                                                                                                                   |                                        |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 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(Ø) 、 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                                                                                                                                                                                                                                                   |                                        |