



## Automatic Transformer Tester

**5235/5236/5237**  
**5435/5436/5437**

### Key Features

- 0.1% Basic Accuracy
- Up to 1MHz Frequency
- Easily Programmed, De-skills Testing, Reduces Labor Costs
- Speedy, Increases Productivity
- Operator Just Loads & Removes Transformers
- Precise Accurate & Reliable Results
- Online Statistic, RS-232
- Secure, Tamper-proof Programs

#### ▪ Automatic transformer test system

5235/5435 Series Transformer Analyzers are high performance, fully automatic test system which integrates a precision inductance analyzer with a switch matrix. This total test solution will help to reduce cost, increase productivity, improve your delivery times and your product's quality. 20Pins / 40Pins Fixture are available.

#### ▪ Incredibly simple and excellently accurate

The system provides a special open / short trim technology which can correct the fixture interference automatically. It can improve the system accuracy up to instrument level. The powerful functions and fixture design permits rapid, accurate measurement of various transformer parameters in one test pass without the need to manually re-configure test connections. The operator needs only to follow a simple PASS/FAIL indicator to distinguish the DUT is good or not.

#### ▪ Increase production and quality - Cost saving

5235/5435 Series Transformer Analyzers are designed for manufacturers who produce chokes and transformers of various types in small, medium and large batches. Specially designed for the production, it can provide comprehensive testing using non-skilled labor. It will reduce costs and dramatically increase throughput, permitting 100% testing. This will eliminate customer return, enhancing your supplier status.

## SPECIFICATIONS

| Model                              |            | 5235/5435   | 5236/5436   | 5237/5437 |
|------------------------------------|------------|---|-------------|-----------|
| <b>Test Parameter</b>              |            |   |             |           |
| Transformer Scanning               |            | Turn Ratio, Phase, L, Q, Leakage L, Balance, ACR, Cp, D, X, Y, DCR, Pin Short |             |           |
| <b>Test Signals Information</b>    |            |   |             |           |
| Test Frequency<br>(0.01%, 5digits) | Turn Ratio | 50Hz ~ 200kHz (10Vac Max.)  |             |           |
|                                    | Others     | 20Hz~200kHz   | 20Hz~500kHz | 20Hz~1MHz |
| Output Impedance                   |            | 100Ω  |             |           |
| <b>Display Range</b>               |            |   |             |           |
| L, LK                              |            | 0.00001uH~9999.99H  |             |           |
| C                                  |            | 0.00001pF~999.99mF  |             |           |
| Q, D                               |            | 0.00001~99999   |             |           |
| Z, X, R                            |            | 0.00001Ω~99.9999MΩ  |             |           |
| Y                                  |            | 0.01nS~99.9999S   |             |           |
| θ                                  |            | -90.00°~+90.00°   |             |           |
| DCR                                |            | 0.01mΩ~99.9999MΩ  |             |           |
| Turn                               |            | 0.01~99999.99turns  |             |           |
| Pin-Short                          |            | 12 pairs, between pin to pin  |             |           |
| <b>Basic Accuracy</b>              |            |   |             |           |
| L, LK, C, Z, X, Y, R, DCR          |            | 0.1% (1kHz if AC parameter)   |             |           |
| Q, D                               |            | 0.0005 (1kHz)   |             |           |
| θ                                  |            | 0.03° (1kHz)  |             |           |
| Turn                               |            | 0.5% (1kHz)   |             |           |
| <b>Measurement Speed (Fastest)</b> |            |   |             |           |
| L, LK, C, Z, X, Y, R, Q, D, θ      |            | 75ms  |             |           |
| DCR                                |            | 25ms  |             |           |
| Turn Ratio                         |            | 75ms  |             |           |
| <b>Judge</b>                       |            |   |             |           |
| Transformer Scanning               |            | PASS/FAIL judge of all test parameters output from optional HANDLER interface |             |           |
| Test Channel                       |            | 20 Channels/40 Channels   |             |           |
| Trigger                            |            | Auto, Manual, External  |             |           |
| Display                            |            | 320*240 dot-matrix LCD display  |             |           |
| Equivalent Circuit Mode            |            | Series, Parallel  |             |           |
| Correction Function                |            | Open/Short Zeroing, Load deviation  |             |           |
| Memory                             |            | 64 instrument setups  |             |           |
| <b>General</b>                     |            |   |             |           |
| Operation Environment              |            | Temperature :10°C ~ 40°C, Humidity :10%~90% RH                                |             |           |
| Power Consumption                  |            | 140VA max.  |             |           |
| Power Requirement                  |            | 90Vac~125Vac or 190Vac~250Vac, 48Hz~62Hz                                      |             |           |
| Weight                             |            | Approx. 9kg   |             |           |
| Dimension (W*H*D)                  |            | 340*150*460mm   |             |           |

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