



### Automatic Transformer Tester

**5238**

#### 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

5238 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

5238 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		5238
Test Parameter		
Transformer Scanning		Turn Ratio, Phase, L, Q, Leakage L, Balance, ACR, Cp, D, X, Y, DCR, Pin Short
Test Signals Information		
Test Frequency (0.01%, 5digits)	Turn Ratio	50Hz ~ 200kHz (10Vac Max.)
	Others	20Hz~1MHz
Output Impedance		100Ω
Display Range		
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~99.999MΩ
Turn		0.01~99999.99turns
Pin-Short		12 pairs, between pin to pin
Basic Accuracy		
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)
Measurement Speed (Fastest)		
L, LK, C, Z, X, Y, R, Q, D, θ		75ms
DCR		25ms
Turn Ratio		75ms
General		
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
Operation Environment		Temperature :10℃ ~ 40℃, Humidity :10%~90% RH
Power Consumption		140VA max.
Power Requirement		90Vac~125Vac or 190Vac~250Vac, 48Hz~62Hz
Weight		Approx. 9kg
Dimension (W*H*D)		360*150*420mm
Interface		RS-232, Handler (option), USB (option)

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