AUTOMATIC TRANSFORMER TESTER

(VE2700)

VASAVI

Pioneer In Test Automation

NEW

Brief Introduct

Most switching transformer and network transformer manufacturers have an urgent need for a transformer test system that can achieve more functions, high efficiency and accurate test. On the basis of thorough market research and analysis, advanced impedance test technology and rich experience on the development of automatic transformer test system, we have introduce a new series of automatic transformer test system which combines faster test speed, higher accuracy and efficiency. This will be a great assistant for your transformer tests.

Features :

- 7-inch 16:9 TFT LCD display with a resolution of 800×480
- Signal amplitude range: 5mV to 10Vrms, 100μV resolution
- Test speed is up to 75meas/sec.
- Wider impedance test range and better stability for small-signal test
- Built-in 0-100mA/0-10V bias source (standard)
- Diode P/N characteristic detection can test all parameters of network transformer.
- Improved high turn ratio and weak coupling transformer test ability
- Improved DCR test ability for low-ohm winding
- Two separate passwords for administer and operator can improve test security and reliability.
- Internal memory for up to 100 setting files and external USB memory for more
- Test data and graphs can be saved as CSV, GIF format to USB Memory.
- Search functions such as file search, fuzzy search, accurate search, code-bar search are available.

Accurate Testing :

Test Frequency at Min. Resolution of 0.5mH @ ± 0.05% Accuracy
VE2729XA / VE2729XB : 20Hz ~ 200KHz
VE2739XA / VE2739XB : 20Hz ~ 500KHz
VE2749XA / VE2749XB : 20Hz ~ 1MHz
Test Voltage 5mV ~ 10Vrms with resolution of 100uV

Specification :

Measurement display range

|Z|, R, X	: 0.00001Ω ~ 99.9999MΩ
|Y|, G, B	: 0.00001μs ~ 99.9999s
C	: 0.00001pF ~ 9.99999F
L	: 0.00001μH ~ 99.9999kH
D	: 0.00001 ~ 9.99999
Q	: 0.00001 ~ 99999.9
θ(DEG)	: -179.999º ~ 179.999º
θ(RAD)	: -3.14159 ~ 3.14159
Δ%	: -999.999% ~ 999.999%
Rdc	: 0.00001 Ohm ~ 999.999 Mohm
Turns Ratio	: 1:0.001 ~ 1000:1

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Specification :

		VE2729XAU	VE2729XBU	VE2739XAU	VE2739XBU	VE2749XAU	VE2749XBU
Test Parameters		Turn Ratio, Turns, Polarity, L, C, Lk, Q, ACR, DCR					
LCR Mode		Available	Not-Available	Available	Not-Available	Available	Not-Available
Frequency		20Hz ~ 200KHz		20Hz ~ 500KHz		20Hz ~ 1 MHz	
		Min. Resolution : 0.5mHz					
AC Signal		5mV ~ 10V					
		Min. Resolution : 100uV					
Basic Accuracy	LCRZ	± 0.05%					
	DCR Turns Ratio	± 0.1%					
O/P Impedance		10, 30, 50, 100 Ohm ± 1% @ 1KHz					
Display Range	LCR	|Z|, R, X : 0.00001Ω — 99.9999MΩ |Y|, G, B : 0.00001µs — 99.9999s C : 0.00001pF — 9.99999F L : 0.00001µH — 99.9999kH D : 0.00001 — 9.99999 Q : 0.00001 — 99999.9 θ(DEG) : -179.999º — 179.999º θ(RAD) : -3.14159 — 3.14159 Δ% : -999.999% — 999.999%					
	DCR	0.00001 Ohm—999.999 MOhm					
	Turns Ratio	1:0.001—1000:1					
Measurement speed(=10 kHz)		Fast: 75meas / sec(13ms), Medium: 11meas/ sec (90ms), Slow: 2.7meas / sec (370ms)					
Equivalent circuit		Serial, Parallel					
Range mode		Auto, Hold					
Trigger mode		Internal, Manual, External, Bus					
Calibration function		Open, Short, Load					
Comparator		10-bin sorting, BIN1~BIN9, NG, AUX					
		Bin counter					
		PASS/FAIL on front panel, LED indication on scanning fixture					
Memory		200 sets of LCRZ setting files 200 sets of setting files for transformer scanning 10 sets of GIF files					
Interface	Control interface	HANDLER (optional) on rear panel					
	Memory interface	USB HOST (USB memory)					

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