

AUTOMATIC TRANSFORMER TESTER

(VE2729XAU)

VASAVI

Pioneer In Test Automation



Brief Introduction :

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 introduced 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)
- Improved high turn ratio and weak coupling transformer test ability
- Improved DCR test ability for low-ohm winding
- Two separate passwords for administrator 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 : 20Hz ~ 200KHz

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) | : -179.999° ~ 179.999° |
| 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 |
|-----------------------------------|---------------------------|--|
| Test Parameters | | Turn Ratio, Turns, Polarity, L, C, Lk, Q, ACR, DCR |
| LCR Mode | | Available |
| Frequency | | 20Hz ~ 200KHz |
| | | 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) : -179.999° — 179.999° | | |
| 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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