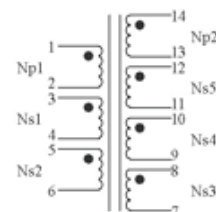


CT1010 Automatic Transformer Tester:



- 9.7 inch 16: TFT LCD display, resolution of 800 x 480 RGB
- Single page result display with clear PASS/FAIL Display
- Built in LCR Mode - impedance meter
- 20 Pin automatic Transformer test System
- USB disk result saving - no need for computer connection.
- 200kHz test frequency, resolution 10mHz
- BasicAccuracy: 0.05%
- Up to 150 tests per second
- Automatic level control ALC function: voltage and current. (V&I)
- 30 ohm, 100 ohm, 10 /100, 10 /CC, output impedance
- built in 10 comparator, file sorting and counting function.
- Internal memory hold 100 set-up files / test programs
- USB disk set-up / test program loading
- Optional + 10V (+ 100mA) and 1 A internal DC bias source
- Standard RS232C, HANDLER, USB HOST, optional GPIB, LAN



Multi-Winding test.



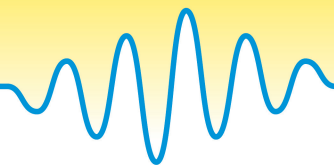
Rich Communication

KUST CT1010 is an automatic multi-parameter transformer tester used for quality control of magnetic components over a wide range of frequency (20 Hz -- 200 kHz). The primary parameters include: Inductance L, Leakage Inductance Lk, Turns-Ratio Tr, DC resistance DCR, Impedance |Z|, and Capacitance (between windings) C etc.; The secondary parameters include Quality Factor Q, ESR and Phase etc.

The advanced digital sampling technique and high-speed scanning test fixture make the transformer testing more accurate and efficient. CT1010 Provides user friendly Interface and allows to save and store test programs / user set-up's.

CT1010 Transformer tester offers all low Voltage tests to determine quality of produced parts. CT1010 significantly reduces time needed to test parts by eliminating need to re-connect each winding.

LCR Mode of the CT1010 allows to use tester as standard LCR meter with continue scan/measurement of pre-set function.



| Measurement functions | |
|-------------------------------------|---|
| Test frequency: | CT1010-20PIN~ 20 Hz-200 kHz10mHz Resolution |
| Transformer test parameters: | Turns Ratio (TR), phase (θ), inductance and capacitance (L & C), leakage inductance and quality factor (Lk & Q), the ac resistance, dc resistance, balance |
| Basic measurement accuracy | |
| LCRZ | 0.05% |
| DCR, Turns ratio | 0.1% |
| The equivalent circuit | Series and parallel |
| Functions | Absolute deviation, the percentage deviation |
| Range way | Automatic, hold, manual |
| Trigger | Internal, manual, external, BUS |
| Measurement speed (1 KHZ) or higher | Super fast: 150 times/SEC, fast: 90 times/SEC, medium speed: 12 times/SEC, slow: 3 times/SEC |
| The average number | 1—255 |
| Delay time | 0-60 s: 1ms resolution |
| Compensation | Open/short/load |
| Resolution | Five digits |
| Display mode | Direct reading, $\Delta \Delta$ %, V/I measured voltage/current (monitoring) |
| Test signal | |
| Output impedance | 30 Ω , 100 Ω , 10/100, 10 / CC selectable |
| Test signal level | Normal: 5 mV - 2 V accuracy: 10%, 1mV resolution |
| DC Bias | Internal: 0 V, 1.5 V, 2 V, accuracy: 1% |
| | Optional: KA1022: + \ - 10V DC bias source (+ / - 100 ma) |
| | KA1023: + \ - 10V & 0-1A DC bias current |
| Display range | |
| Z , R, X | 0.01m Ω — 99.9999 M Ω |
| DCR | 0.01 m Ω — 99.9999 M Ω |
| Turns Ratio: | 1:0.001-1000:1 |
| Y , G, B | 0.00001 μ S — 99.9999 S |
| C | 0.00001 pF — 9.9999 F |
| L | 0.00001 μ H — 9999.99 H |
| D | 0.00001 — 9.9999 |
| Q | 0.00001 — 9999.9 |
| θ (DEG) | -179.999° — 179.999 ° |
| θ (RAD) | -3.14159 — 3.14159 |
| Other: | |
| Memory: | 100 groups in internal storage, USB disk 500 files |
| Interface: | Standard: RS232C, HANDLER, USB HOST, optional GPIB, LAN |