



CTTx5™ instrument

CTTx2™ and CTTx5™ Current Transformer Testers

The CTTx2™ & CTTx5™ are rugged and easy to use current transformer testers, that offer automatic & manual testing modes. These instruments are designed to deliver fast and reliable measurements.

COMPETITIVE ADVANTAGES

- ⚡ High resolution color display
- ⚡ All tests are performed in automatic sequence
- ⚡ Rugged design to meet the most demanding field testing environments
- ⚡ Large internal memory
- ⚡ Full QWERTY keypad for easy data entry

OPERATION

The CTT™ will test the Current Transformer Ratio, Phase shift, Polarity, Excitation, Saturation, Winding resistance and Insulation resistance using the voltage method in compliance with ANSI/IEEE C57.13.1 & IEC 60044-1 standards, where voltage is applied to the secondary X terminals of the current transformer. The CTT™ burden test injects a current into the secondary loop to verify the integrity of the current circuit and to determine its impedance & VA. This information is required to insure the CT™ will perform under all circumstances. The CTT™ can also test the ratio, polarity, phase shift, winding resistance & insulation resistance of voltage transformers.

HIGHLIGHTS

- High resolution color display allows operator to create and save repeatable test plans.
- All tests are performed in automatic sequence without the need for operator intervention.
- Rugged design to meet the most demanding field testing environments.
- Large internal memory (200 testing files where each can have of up to 10 excitation curves & 140 Test plans files).
- All CT™ nameplate and equipment details are stored with the test result file.
- Built-in thermal Printer.
- Full QWERTY keyboard for easy on site data entry.
- 2000 VAC saturation test voltage with knee point voltage markers (ANSI 10/50 , IEC 60044, IEEE 30 & IEEE45).
- Fast full testing operation. Manual mode is available for trouble shooting and special diagnostic testing.
- Burden mode makes it possible to analyze the secondary circuit connected to the CT™.
- Easy setup of test plans are created on the instrument.
- Convenient integrated test leads storage compartment.
- Automatic test report creation.
- User selectable time duration for insulation resistance test (10 to 60 Sec).
- Automatic demagnetization sequence.
- CTTx2 and CTTx5 can also tests non-capacitive type VT's.

TECHNICAL SPECIFICATIONS

Power input	115 VAC or 230 VAC 50/60Hz Grounded Neutral
Fuse rating	15 A or 8 A , 250 VAC, Type F
Voltage output	0-50V / 0-200V / 0-600V @ 2A 0-1200V @ 1.5A, 0-2000V@ 1.2A
Voltage reading	In three ranges, up to 1999.9V \pm 0.1%
Current reading	0 to 1.9999 A RMS \pm 0.5%
Ratio and accuracy	0.80 to 1000:1 \pm 0.5% 1000 to 2000:1 \pm 0.5% 2000 to 5000:1 \pm 1% 5000 to 10000:1 \pm 1%
Measurement method	ANSI / IEEE C57.13.1, IEC-60044-1
Phase angle	\pm 180 Degrees / 0.0 to 359.9 degrees \pm 1 degree
Winding resistance	0-1.9999 ohms \pm 1%, 2-19.999 ohms \pm 1%
Insulation resistance	2M to 1G-ohms \pm 3%
Current source	0-20A @ 20VAC Cont.
Current source display	19.999 A rms \pm 1% 19.999 Vrms \pm 1%, 1 Mohm to 1000 ohms
Data storage	Up to 200 files with up to 10 excitation curves per file
Test plans	Up to 140 test plans
X Inputs	Multiplexer with five X inputs accommodates test on CT with up to 4 windings without disconnecting and connecting test leads during the test.
Display	120 mm x 90 mm (4¾ x 3½ inches) bright color LCD display
Printer	40 characters, 3.12inch(80mm) commercial thermal paper, paper support
Housing	Rugged, waterproof to IP-67 / NEMA 6 with wheels and retractable extension handle.
Operating temperature	-10°C to +50°C (+ 14°F to + 122°F)
PC connection	USB, RS-232C, USB memory stick
Dimensions	46.8 cm x 35.5 cm x 19.3 cm
Weight	55lbs (24.94kg)
Memory Stick	100 MB +
Approvals	EN 61010:2001 EN 61326-1:1997 Class A



STANDARD ACCESSORIES:

- X test leads (20ft / 6m)
- H test leads (35ft / 10m)
- Burden test leads (18ft / 5m)
- Ground lead (15ft / 4.5m)
- Main input power cord
- Serial communication cable
- USB communication cable
- Spare rolls of printer paper
- CD with Report Manager software
- User manual

OPTIONAL EQUIPMENT

- CTT™ shipping case
- CTT™ printer paper roll
- Specific custom made test clips
- Specific custom length test leads

ndb

Advanced and Innovative Solutions
Since 1991