

## Current Transformer Test Set Model CTX-2000

- A compact lightweight instrument to quickly and accurately test and verify excitation, saturation, ratio and polarity on current transformers.
- Up to 1200 Volts test voltage.
- Digital and Analog current readings.
- Data output for plotters.
- Automatic display of ratio up to 2000:1
- An important tool for production testing, trouble shooting and preventive maintenance.



### Description

The Current Transformer Test Set, Model CTX-2000 has been designed to test current transformers for Excitation, Saturation, Ratio and Polarity by comparing voltage.

SATURATION is measured by applying voltage to the transformer which increases the test current linearly until near saturation at which time a large increase of current is easily seen on the bar graph meter and accurately read on the digital ammeter.

RATIO measurement is the result of voltage comparison between primary and secondary voltages - easily calculated into ratio and displayed by the flip of a switch.

POLARITY is measured by a phase sensitive comparison

circuit and indicated by two distinct pilot lights.

A zero start interlock and high-speed circuit breakers protect the instrument and equipment under test.

All tests can be performed with one setup without changing leads or switching settings. Autoranging meters eliminate range switches.

Current transformers can be tested while mounted in bushings.

All test results are available on data terminals and can be sent to computers, plotters or other external data acquisition devices.

# Current Transformer Test Set

## Model CTX-2000

### Features

- Ultrastable digital instruments read excitation and saturation current, secondary and primary voltage
- Bar-Graph Meter gives quick indication of current "tip-up"
- All tests are performed without changing test setup
- Data output for plotter or other storage device
- Internal bushing current transformers can be tested while inside transformers or switchgear
- Fully protected against overload or short circuit
- A "RUN/HOLD" switch will "freeze" readings on all digital meters

### Specifications

<b>Power Input</b>	120V or 230V, 50/60 Hz
<b>Output</b>	Continuously variable in three ranges 0-20, 200, 1200V, up to 1.5A
<b>Voltmeters</b>	Two 4 1/2 digit autoranging true RMS responding instruments Ranges: 0.0000 to 1.9999, 19.999, 199.99, 1999.9VAC Accuracy: $\pm 0.25\%$ of reading $\pm 1$ digit
<b>Ammeter 1</b>	One 3 1/2 digit, true RMS responding instrument Ranges: 0.000 to 1.999A Accuracy: $\pm 0.5\%$ of reading $\pm 1$ digit
<b>Ammeter 2</b>	Analog Bar-Graph Meter 0-2A (0-100%)
<b>Data Outputs</b>	Prim. Volts: 0.2VDC per 100VAC @ 50 Ohms Sec. Volts: 0.2VDC per 100VAC @ 50 Ohms Sec. Amps: 1.0VDC per 1AAC @ 50 Ohms Polarity: + 3.5VDC = NORM, + 0.5VDC = REV
<b>External Volts</b>	Voltmeter can be used to measure external voltages up to 1200VAC
<b>Protection</b>	Input line circuit breaker, control circuit breaker, high speed electronic cutout and Zero start interlock.
<b>Housing</b>	Sturdy self-storing fiberglass case with lid and carrying handle
<b>Dimensions</b>	38 x 38 x 24 cm (15 x 15 x 9 1/2") including lid
<b>Weight</b>	18 Kg. (40 lbs)
<b>Environmental</b>	Operating temperature 0°C to +40°C Storage temperature -20°C to +60°C Relative humidity 0-95% FH (non-condensing) EMC EN61326 Safety EN61010-1
<b>Approvals</b>	CE

specifications subject to change without notice

### Optional Accessories

- Transit Case
- Custom Lead Lengths

Represented by:

Contents: *all contained in one foam lined carrying case*

- Test Leads -
  - 1 set ultra flexible leads - 5' (1.5m)
  - 1 set ultra flexible leads - 12' (3.7m)
- Vinyl Zippered Carrying Pouch
- Operator's Manual
- Optional Foam Lined Transit case (as Shown below)



### HEAD OFFICE

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