



**CT-T1**

For knee point  
detection

The CT-T1 is a microprocessor-based Current Transformer Tester that measures CT excitation current, turns ratio, and winding polarity tests, all without having to switch the leads during testing.

This CT Tester is precision-made, just like all of the Raytech products. Built to stand up to the harsh environments of field testing, the CT-T1 comes with a 2 year warranty to guarantee years of accurate and reliable usage.

Voltage range	0 ... 2000 V
Current range	0 ... 10 A
Ratio range	0.1 ... 15000
Operating range	-10°C to 60°C
Storage range	-20°C to 70°C
Weight	20 kg (44 lbs)
Input power	115 / 230 V AC 50/60 Hz auto ranging



## Measurement Parameters

Ratio Range	Accuracy	Resolution
0.1 ... 5000	± 0.05%	5 Digits
5001 ... 10 000	± 0.5%	5 Digits
10 001 ... 15 000	± 1%	5 Digits
Voltage Range	Accuracy	Resolution
0 ... 2000 V	1% Rdg ± 0.1 V	0.01 V
Current	Accuracy	Resolution
0 ... 10 A	1% Rdg ± 0.001 A	0.01 mA

## Features

- Fully automatic knee point detection (ASA 10/50, IEEE 30°, IEEE 45°)
- Ratio range of 0.1 to 15 000
- 5 low side taps, 1 high side tap
- Performs CT excitation, turns ratio, and polarity tests on current transformers
- Manual or automatic degauss and measurements
- Easy, one-time hook up for up to 5 CT taps
- Automatic test voltage range with changeable limits
- Easy to use tap selector interface
- Data storage of more than 10 000 measurements
- 3" graphic-capable printer
- Two USB interfaces and one RS-232 serial port

## Specifications

**Model**  
CT-T1  
Current Transformer Tester

**Size (field case)**  
L: 521 mm (20.5")  
W: 432 mm (17")  
H: 216 mm (8.5")

**Weight**  
20 kg (44 lbs.)

**Interfaces**  
2 USB interfaces (host and device) and one RS-232

**Memory Storage**  
More than 10 000 measurements

**Panel Display**  
Color 5.7" LCD with back light and touch screen display for easy operation, additional digipot

**Front Panel**  
Sealed, Anodized

## Options

Annual Warranty Extension

