



**CT-T1**

Current  
Transformer tester

The CT-T1 is a powerful current transformer test instrument specially designed for professional current transformer diagnosing. The main functions are precise turns ratio measurement, excitation curve drawing and knee points detection (ASA 10/50, IEEE 30°, IEEE 45°).

The CT-T1 includes 5 low side cables which can be used to connect to the secondary outputs of a CT. This enables the instrument to perform all various measurements for all taps combinations in the least possible time and in a fully automatic easiest way without having to switch the leads during testing.

In addition to precision, the CT-T1 provides useful tools such as the plotting tool on the colour touch display which be helpful for better diagnosing. The results can be stored in internal or external memory, can be transferred to the Raytech T-Base Pro software or simply can be printed by using the large 3-inch built-in thermal printer.

**Temperature**

Operating	-10°C to 55°C
Storage	-20°C to 70°C
Abs. Input Voltage	90-132/ 180-264 VAC
	auto ranging, 47-63 Hz

Turns Ratio range	0.9 ... 15000
Accuracy	± 0.05% Rdg
Voltage range	0 ... 2000 VAC
Current range	0 ... 10 A

**Measurement Parameters**

Ratio Range	Accuracy	Resolution
0.9 ... 5000	± 0.05%	5 Digits
5001 ... 10 000	± 0.5%	5 Digits
10 001 ... 15 000	± 1%	5 Digits

  

Voltage Range	Accuracy	Resolution
0 ... 2000V	1% Rdg ± 0.1 V	0.01 V

  

Current	Accuracy	Resolution
0 ... 10A	1% Rdg ± 0.001A	0.01mA

**Features**

- CT's and PT's measurement
- Fully automatic knee point detection (ASA 10/50, IEEE 30°, IEEE 45°)
- Ratio range of 0.9 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  
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**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



Raytech AG

Oberebenstrasse 11  
CH-5620 Bremgarten  
www.raytech.ch

Phone +41 56 648 60 10  
Fax +41 56 648 60 11  
welcome@raytech.ch