

CT-T1: Fully Automatic, Current Transformer (CT) Tester

The CT-T1 is a microprocessor-based Current Transformer Tester that measures CT excitation current, 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 you already know. Built to stand up to the harsh environments of field testing, the CT-T1 comes with a 5 year warranty to guarantee years of accurate and reliable usage.

Features

- Fully automatic knee point detection
- Ratio range of 0.1 to 15,000
- 5 low side tap connections
- Performs CT excitation, 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
- Color 5.7" LCD touch screen display for easy operation
- 3" graphic-capable printer
- Two USB interfaces and one RS-232 serial port
- 5-Year standard warranty



CT-T1

Accuracy

Ratio Range	Accuracy	Resolution
0.1–5,000	±0.05%	5 Digits
5,001–10,000	±0.5%	5 Digits
10,001–15,000	±1%	5 Digits

Voltage Range	Accuracy	Resolution
0–2,000 V	1% Rdg, ±0.1 V	0.01 V

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

Specs

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

Weight: 20 kg (44 lbs.)

Input Power: 115/230 VAC, 50/60 Hz, auto ranging

Temperature: **Operating:** –10°C to 60°C (14°F to 140°F), **Storage:** –20°C to 70°C (–4°F to 158°F)

Panel Display: 5.7" Color LCD with back light and touch screen, additional digipot

Interface: 2 USB interfaces (host and device) and RS-232

Memory Storage: More than 10,000 measurements

Standard Accessories Included

H Lead - 5m (16 ft.), Qty. 1

X Leads - 5m (16 ft.), Qty. 5

Safety Ground Lead - 10m (32 ft.)

H Lead Adapter

H Lead Extension - 5m (16 ft.), Qty. 1

X Lead Clip Adapters

Safety Switch - 2m (6.5 ft.)

Power Cord

External USB Key and Touch Screen Stylus

USB Cable

Cable Bag with Shoulder Strap

Paper Refill for Printer - 5 rolls

Instruction Manual

Certificate of Accuracy

Optional Items Available

4080N-05001: H Lead Extensions - 5m (16 ft.)

Custom Clips: Customer Spec

4080N-15001: Annual Warranty Extension

Raytech is a world leader in the design and production of precision electronic measuring instruments and systems. The unique design approach of the engineering team at Raytech has resulted in the development of highly regarded measuring instruments, which have set new standards in the electrical testing industry.

Our exceptional reputation for support and service is unmatched.

Raytech products are designed for many years of trouble-free use, which is why we can offer a **standard 5-year warranty** – guaranteeing the highest quality instrumentation available.



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