

PRESS RELEASE

November 13, 2025

AEMC® Instruments Introduces the **NEW DTR® Model 8511 Digital Transformer Ratiometer**

Modernized Design • Proven Reliability • Precision Performance

The **NEW DTR® Model 8511** builds on the proven reliability of the DTR® 8510 with **modern upgrades** technicians will appreciate. It maintains the fully automatic VT/PT and CT testing functions for **accurate ratio and excitation current measurements**—now in a lighter, more ergonomic design **with enhanced safety features**.

A **brighter, larger display** improves visibility in any environment, and the **oversized test button** makes operation easy, even with gloves on. The DTR® 8511 delivers **fast, accurate, hassle-free transformer ratio testing**—no calibration, range selection, hand cranking, or balancing required.

Built-in checks detect lead reversals and opens for added confidence. **Results display instantly**, and you can **save nameplate voltages to compare data in real time**. Test results are easily downloaded and analyzed with the included DataView® software.

FEATURES

- Accurately measures transformer ratios **up to 8000:1 in VT/PT mode and 1000:1 in CT mode**
- **Built-in Continuity Testing**: Quickly detects open transformer windings
- Higher excitation current **capability up to 2 A**
- Optimized 64 Hz test frequency for **more accurate field simulations**
- Displays turns ratio, excitation current, winding polarity and % deviation from the nameplate values
- **Fully automatic** – no calibration, range selection, hand cranking or tedious balancing required
- **Save up to 9,801 tests** for easy recall and reporting
- Includes DataView® analysis software for **programming, downloading, storing and report generation of test data**



**Replaces
DTR®
Model 8510**

NEW

APPLICATIONS

- High-voltage equipment testing (transformers, motors, generators)
- Switchgear and substation testing
- Preventive maintenance and diagnostics
- Commissioning of new electrical installations
- Quality control in manufacturing

ORDERING INFORMATION

Cat. #2136.55 – DTR Model 8511

Price: \$3790.00

Digital Transformer Ratiometer DTR Model 8511 (110 /220 V)

Includes: (6) rechargeable AA NiMH batteries, set of (2) 15 ft test leads w/ (4) alligator clips (red/black), USBs, AC power adapter w/ cord & Extra Large carrying bag.

ACCESSORIES

Cat. #2136.76 – Leads

Price: \$399.00

Leads – Set of (2) 30 ft for DTR Models 8500, 8510 & 8511

REPLACEMENTS: WWW.AEMC.COM

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