



Digital Transformer Turns Ratiometer Model 8511

Cat. #2136.55

Automatic self-calibrating Transformer Ratio Testing with the DTR® 8511 for on-site testing of power, potential, and current transformers. Measures primary to secondary turns ratio, polarity, transformer excitation current measurement, winding continuity tests, deviation testing and transformer nameplate verification.

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TECHNICAL SPECIFICATIONS 1	
Catalog #	2136.55
MEASUREMENTS	
VT / PT Ratio Range	Auto-Ranging 0.8000:1 to 8000.0:1
VT / PT Accuracies*	Ratio 0.8000 to 9.9999 ± 0.2 % of Reading Ratio 10.000 to 999.99 ± 0.1 % of Reading Ratio 1000.0 to 4999.9 ± 0.2 % of Reading Ratio 5000.0 to 8000.0 ± 0.25 % of Reading
Excitation Current	Up to 2 A
CT Ratio Range	Auto-Ranging 0.8000 to 1000.0
CT Accuracy*	± 0.5 % of Reading
Output Voltage (VT / PT)	30 V @ 64 Hz
Output Voltage (CT)	5 V @ 64 Hz
RECORDING	
Data Storage	9801 measurements
OTHER FEATURES	
Communication	USB Type-A to Type-C USB 2.1
Software	DataView® included, free App for Android™
Languages Support	English, Spanish, French, Italian, German, Portuguese
Display	LCD 20 characters x 4 line display

For more details, download the datasheet or user manual at www.aemc.com

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customerservice@aemc.com • techsupport@aemc.com

Powered from phase voltage	Phase Power Adapter (Cat. #2137.90)
Power Supply	USB Type-C and 12 V _{DC} charger
Measurement Method	In accordance with IEEE Std. C57.12.90 TM
Buttons	6 total buttons (<i>One to start testing and five for navigation</i>)
Battery Life	500 VT / PT Tests
Battery Charge Time ¹	10 h
Weight	7.1 lbs (3.2 kg)
SAFETY AND MECHANICAL	
Safety Compliance	IEC 61010-2-030, IEC 61326-1, IEC 60529, IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-31, Pollution 2

Note 1: Refer to the user manual for complete technical specifications

* : Reference Condition: (23 ± 5) °C, (50 to 70) % RH, full battery charge, no external fields or noise.

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