



Digital Transformer Turns Ratiometer Model 8510

Cat. #2136.50

Primary to secondary turns ratio, Polarity, Excitation current, Automatic self-calibration

Digital transformer turns ratiometer for on-site testing of power, potential, and current transformers.

Measures primary to secondary turns ratio, polarity, and excitation current. Automatically self-calibrates and checks for open windings/connections/circuit breakers, short circuits (excess excitation current), incorrect test lead placement, and reverse polarity.

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VT/PT Ratio Range	Auto-Ranging: 0.8000:1 to 8000.0:1
VT/PT Accuracy	0.8000 to 9.9999: $\pm 0.2\%$ of Reading 10.000 to 999.99: $\pm 0.1\%$ of Reading 1000.0 to 4999.9: $\pm 0.2\%$ of Reading 5000.0 to 8000.0: $\pm 0.25\%$ of Reading
CT Ratio Range	Auto-Ranging: 0.8000 to 1000.0
CT Accuracy	$\pm 0.5\%$ of Reading
Excitation Signal	VT/PT Mode: 32Vrms max CT Mode: Auto Level 0 to 1A, 0.1 to 4.5Vrms
Excitation Current Display	Range: 0 to 1000mA Accuracy: $\pm(2\%$ of Reading +2mA)
Excitation Frequency	70Hz
Display	LCD 16 character, 2 line, large format, LED backlight, day/night visible
Languages Supported	English, Spanish, French, Italian, German, Portuguese
Communication	Optically isolated USB 2.0
Data Storage	Up to 10,000 complete measurements
Power Source	Two rechargeable 12V NiMH batteries (included)
Battery Life	Up to 10 hours of continuous operation
Low Battery Indication	LED and LCD
External Charger	90 to 240V, 50/60Hz (smart charger)
Charging Time	<4 hours
Measurement Method	In accordance with ANSI/IEEE Std. C57.12.90-2006
Software	DataView analysis software included

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

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Dimensions	10.70 x 9.76 x 5.12" (272 x 248 x 130mm)
Weight	8.1 lbs (3.7kg)
Operation Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Index of Protection	IP40 (lid open), IP53 (lid closed)
Double Insulated	Yes
CE Approved	Yes
Safety Compliance	IEC 61010-1 (1995-A2) 50V CAT IV Pollution 2



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