

GROUND RESISTANCE TESTERS

CLAMP-ON



6417 Only

MODELS 6416 & 6417

Provides high safety level with new ground voltage indication feature



6416

6417



FEATURES

- Ground Integrity Measurement
- Ground voltage indication (*warns of possible unsafe conditions*)
- Large multifunction bright yellow OLED (*organic LED display*)
- Selectable test frequency (*improves accuracy in inductive environments*)
- Clamping diameter of 1.37 in (35 mm) with large jaw design
- Storage of measurements (Ω and/or A, with time-stamping)
- Model 6416: up to 300 measurements stored
- Model 6417: up to 2000 measurements stored
- View stored measurements on the OLED display or via Bluetooth® (*Class 2 - communicates up to 30 ft*) to a PC or the Android™ based mobile application (*Model 6417*)
- Auto Power OFF function
- Alarm function with adjustable set point and buzzer for quick field checks for volts, amps and ohms
- Rugged Lexan® head and body construction resists breakage
- Alarm settings and stored memory information saved during shutdown
- Includes DataView® software for data retrieval, real-time display, analysis, report generation and system configuration (*Model 6417*)
- Noise icon and buzzer alerts the user to presence of dangerous voltage and current levels

MODELS	6416 & 6417		
ELECTRICAL			
	Measurement Range	Resolution	Accuracy (% of Reading)
Ground Resistance Auto-Ranging (0.01 to 1499) Ω	(0.010 to 0.099) Ω	0.001 Ω	± 1.5 % ± 0.01 Ω
	(0.10 to 0.99) Ω	0.01 Ω	± 1.5 % ± 0.02 Ω
	(1 to 49.9) Ω	0.1 Ω	± 1.5 % ± 0.1 Ω
	(50 to 99.5) Ω	0.5 Ω	± 2 % ± 0.5 Ω
	(100 to 199) Ω	1 Ω	± 3 % ± 1 Ω
	(200 to 395) Ω	5 Ω	± 5 % ± 5 Ω
	(400 to 590) Ω	10 Ω	± 10 % ± 10 Ω
	(600 to 1150) Ω	50 Ω	20 % approx.
	(1200 to 1500) Ω	50 Ω	25 % approx.
Current Measurement Auto-Ranging 1 mA to 40 A	(0.200 to 0.999) mA	1 μA	± 2 % ± 50 μA
	(1.000 to 2.990) mA (3 to 9.99) mA	10 μA	
	(10 to 29.90) mA (30 to 99.9) mA	100 μA	± 2 % ± 100 μA
	(100 to 299) mA (0.300 to 0.990) A	1 mA	± 2 % ± 1 mA
	(1.000 to 2.990) A (3 to 39.99) A	10 mA	± 2 % ± 10 mA
Selectable Measurement Frequency	(50, 60, 128 or 2083) Hz		
Current Measurement Frequency	(47 to 800) Hz		
Inductance Measurement	(10 to 100) μH; (100 to 500) μH		
Current Overload	OL displayed above 39.99 Arms		
Communication	Bluetooth® connection (Model 6417 only)		
Power Supply	(4) 1.5 V LR6 (AA) alkaline batteries or (4) NiMH batteries; Battery life: 12 h, or 1440, 30 - s measurements approx.		
SAFETY			
Safety Rating	EN 61010-1, 600 V CAT IV		

Consult factory for NIST Calibration prices.

PRODUCT INCLUDES

6416 & 6417

Hard carrying case, wrist strap, calibration loop, (4) 1.5 V AA batteries and user manual.

6417

Also includes Bluetooth® USB adapter, printed quick start guide, a USB drive with DataView® software, ground tester workbook and user manual.



CAT. #	DESCRIPTION
2141.01	Ground Resistance Tester Model 6416 (Clamp-On, Alarm, Memory)
2141.02	Ground Resistance Tester Model 6417 (Clamp-On, Bluetooth®, Alarm, Memory, DataView® Software)



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Technical Assistance (800) 343-1391
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GROUND RESISTANCE TESTERS

CLAMP-ON

FUNCTIONAL DISPLAYS (MODEL DEPENDENT)



MEASUREMENT RESULTS



MEMORY RECALL MODE



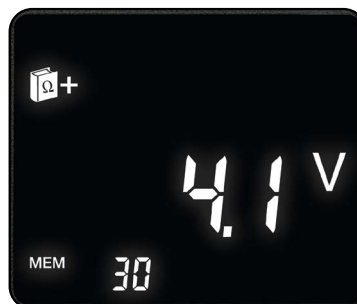
ALARM



LOOP DETECTION



GROUND VOLTAGE



IMPEDANCE OVER RANGE

