

GROUND RESISTANCE TESTERS

CLAMP-ON

MODEL 6418

Designed for measuring ground impedance on ground rods and bus bars

SPECIFICATIONS

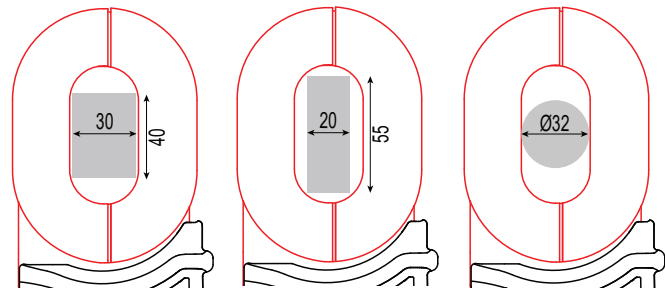
MODEL	6418		
ELECTRICAL			
Ground Resistance	Measurement Range	Resolution	Accuracy (% of Reading)
	0.010 to 0.099Ω	0.001Ω	±1.5% ±0.01Ω
	0.10 to 0.99Ω	0.01Ω	±1.5% ±0.02Ω
	1.0 to 49.9Ω	0.1Ω	±1.5% ±0.2Ω
	50.0 to 149Ω	1Ω	±2.5% ±2Ω
	150 to 245Ω	5Ω	±5% ±10Ω
	250 to 440Ω	10Ω	±10% ±20Ω
	450 to 640Ω	10Ω	±15% ±20Ω
650 to 1200Ω	50Ω	±20% Reading +100Ω	
Measurement Frequency	2083Hz		
Current Measurement	0.50 to 9.950mA	50μA	±2% +200μA
	10.00 to 99.90mA	100μA	±2% +100μA
Auto Ranging 1mA to 40A	100.0 to 299.0mA	1mA	±2% ±1mA
	0.300 to 2.990A	10mA	±2% ±10mA
	3.000 to 20.00A	100mA	±2% ±100mA
Current Measurement Frequency	47 to 800Hz		
Current Overload	OL displayed above 19.99Arms		
Power Source	(4) 1.5V LR6 (AA) Alkaline batteries or (4) NiMH batteries; Battery life: 12 hours, or 1440 30-second measurements approx.		

PRODUCT INCLUDES

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



CLAMPING CHARACTERISTICS



FEATURES

- Ground Integrity® Measurement
- Large multi-function bright yellow OLED (organic LED display) 48 x 39mm
- Clamping diameter accommodates both cable and bus bar
- Storage of measurements (Ω and/or A, with time-stamping)
- Up to 300 measurements stored
- View stored measurements on the OLED display
- Auto Power OFF function
- Auto Hold
- Alarm function with adjustable set point and buzzer for quick field checks for amps and ohms
- Rugged Lexan® head and body construction resists breakage
- Alarm settings and stored memory information saved during shutdown
- Noise icon and buzzer alert user to presence of dangerous current levels
- Designed to EN 61010-1, 100V CAT IV and 150V CATIII safety standards
- Automatic calibration of the jaw gap at power-up

CATALOG NO.	DESCRIPTION
2141.03	Ground Resistance Tester Model 6418 (Clamp-On, Alarm, Memory, Oblong Jaws)

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FUNCTIONAL DISPLAYS



MEASUREMENT RESULTS



Displays the leakage current and loop impedance at the test frequency

MEMORY RECALL MODE



Measurement storage date-time screen

ALARM



Indicates voltage/current alarm threshold along with the direction of impedance

LOOP DETECTION



Detects and displays possible false readings associated with metal loops

GROUND VOLTAGE



Indicates voltage potential at the point of measurement

IMPEDANCE OVER RANGE



Indicates that the impedance is greater than 1500Ω