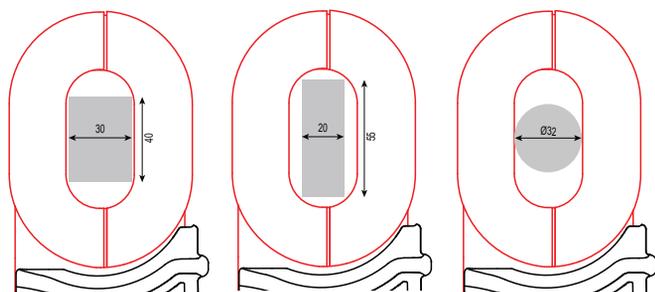


# GROUND RESISTANCE TESTERS

## CLAMP-ON

### MODEL 6418

Designed for measuring ground impedance on ground rods and bus bars



CLAMPING CHARACTERISTICS

## FEATURES

- Ground Integrity® Measurement
- Large multi-function bright yellow organic LED display (OLED) 48 x 39mm
- Clamping diameter accommodates both cable and bus bar
- Storage of measurements ( $\Omega$  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 150V CATIII safety standards
- Automatic calibration of the jaw gap at power-up

## SPECIFICATIONS

MODEL	6418		
<b>ELECTRICAL</b>			
Ground Resistance	Measurement Range	Resolution	Accuracy (% of Reading)
	0.010 to 0.099 $\Omega$	0.001 $\Omega$	$\pm 1.5\% \pm 0.01\Omega$
	Auto Ranging		
	0.10 to 0.99 $\Omega$	0.01 $\Omega$	$\pm 1.5\% \pm 0.02\Omega$
	1.0 to 49.9 $\Omega$	0.1 $\Omega$	$\pm 1.5\% \pm 0.1\Omega$
	50.0 to 149 $\Omega$	1 $\Omega$	$\pm 2.5\% \pm 2\Omega$
	150 to 245 $\Omega$	5 $\Omega$	$\pm 5\% \pm 10\Omega$
	250 to 440 $\Omega$	10 $\Omega$	$\pm 10\% \pm 20\Omega$
450 to 640 $\Omega$	10 $\Omega$	$\pm 15\% \pm 20\Omega$	
650 to 1200 $\Omega$	50 $\Omega$	$\pm 20\%$ Reading +100 $\Omega$	
Measurement Frequency	2083Hz		
Current Measurement	0.50 to 9.995mA	50 $\mu$ A	$\pm 2\%$ Reading +200 $\mu$ A
	Auto Ranging 1mA to 40A		
	10.00 to 99.90mA	100 $\mu$ A	$\pm 2\%$ Reading +100 $\mu$ A
	100.0 to 299.0mA	1mA	$\pm 2\%$ Reading $\pm 1$ mA
	0.300 to 2.990A	10mA	$\pm 2\% \pm 10$ mA
	3.000 to 20.00A	100mA	$\pm 2\% \pm 100$ mA
Current Measurement Frequency	47 to 800Hz		
Current Overload	OL displayed above 19.99Arms		
Power Source	4x1.5V LR6 (AA) Alkaline batteries or 4 NiMH batteries; Battery life: 12 hours, or 2400 30-second measurements approx.		

## PRODUCT INCLUDES



### MODEL 6418

Includes a hard carrying case, calibration loop, four 1.5V AA batteries and user manual.

CATALOG NO.

DESCRIPTION

2141.03

Ground Resistance Tester Model 6418 (Clamp-On, Alarm, Memory, Oblong Jaws)



# GROUND RESISTANCE TESTERS

## CLAMP-ON

### Functional Displays

Disturbance indicator (current) in the loop  
 HOLD Function active  
 Buzzer is displayed when active  
 Measurement date/time display  
 Advanced Mode selection  
 Indicates when the inductive component is negligible in Advanced Mode  
 Main measurement display  
 Measurement unit display  
 Data Storage Mode  
 Memory Recall Mode  
 Memory index number display  
 Bluetooth connection indicator (not available on model 6418)

Incorrect jaw closing indicator  
 Auto Power OFF active  
 Battery charge indicator  
 4000-count upper measurement display  
 Upper display measurement unit  
 Main display measurement unit  
 Hazardous voltage indicator (not available on model 6418)  
 Alarm measurement display unit  
 Alarm threshold display  
 Alarm active indicator

Note: Display shown larger than real size.

#### MEASUREMENT RESULTS



Displays the leakage current and loop impedance at the test frequency

#### MEMORY RECALL MODE



Measurement storage date-time screen

#### ALARM



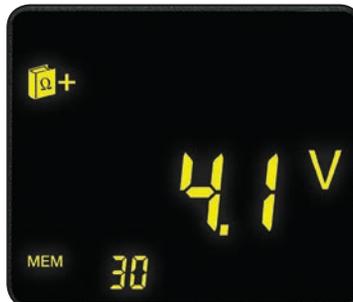
Indicates voltage/current alarm threshold along with the direction of impedance

#### 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 15000Ω