

S692 Earth Ground Clamp Tester



FEATURES

Clamp-on Ground Resistance Measurement
AC Current Measurement
45 mm Large Jaw Opening
2000 Records Storage
IEC61010-1 / CAT III 1000V / CAT IV 600V Safety Rating

SPECIFICATIONS

Clamp Jaw Opening	1.77" (45mm) approx
Display	9999 counts backlit TFT LCD
Low Battery Indication	"  " is displayed
Over-range Indication	"OL" display
Measurement Rate	3 readings per second, nominal
AC Response	True rms
ACV Bandwidth	10kHz
Maximum Voltage to Earth Ground	1000V
Recording Capacity	~2000
Temperature Coefficient	0.15 % x reading / °C (<18 °C or >28 °C)
Operating Temperature	5 to 40 °C (41 to 104 °F)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)
Operating Humidity	Max 80% up to 31° C (87 °F) decreasing linearly to 50% at 40 °C (104 °F)
Storage Humidity	<80%
Operating Altitude	2000 meters (7000 ft.) maximum
Battery	4x1.5V AA Alkaline Battery
Bluetooth	4.0
Auto Power OFF	5mins, 10mins, 15mins, 30mins

Dimensions	289x104x48mm
Weight	1000g
Safety	IEC61010-1 (2001): EN61010-2-030 EN61010-2-032 EN61010-2-033 Overvoltage Category III 1000V Category IV 600V, Pollution Degree 2

MEASUREMENT RANGE AND ACCURACY

Function	Range	Resolution	Accuracy (45-60Hz)	Accuracy (>60Hz<1kHz)
AC True RMS Current	40.00A	10mA	$\pm(1.5\% + 8 \text{ digits})$	$\pm(2.0\% + 8 \text{ digits})$
	4.000A	1mA	$\pm(1.5\% + 5 \text{ digits})$	$\pm(2.0\% + 7 \text{ digits})$
	400.0mA	0.1mA		
	40.00mA	10 μ A		
	4.000mA	1 μ A	$\pm(1.0\% + 10 \text{ digits})$	$\pm(2.0\% + 10 \text{ digits})$
Maximum input 40A; CF $\leq$ 3				

AC True RMS Current with Low Pass Filter	40.00A	10mA	±(1.5% + 8 digits)	Non-Specified
	4.000A	1mA		
	400.0mA	0.1mA		
	40.00mA	10µA		
	4.000mA	1µA	±(1.5% + 15 digits)	
CF≤3				

Function	Range	Resolution	Accuracy
Earth-Return Circuit	0.025 to 0.249 Ω	0.001 Ω	1.5 + 0.020 Ω
	0.250 to 1.999 Ω	0.001 Ω	1.5 + 0.050 Ω
	2.000 to 9.999 Ω	0.001 Ω	1.5 + 0.100 Ω
	10.00 to 29.99 Ω	0.01 Ω	1.5 + 0.5 Ω
	30.00 to 99.99 Ω	0.01 Ω	1.5 + 2.5 Ω
	100.0 to 299.9 Ω	0.1 Ω	5.0 + 5.0 Ω
	300 to 599 Ω	1 Ω	10.0 + 10 Ω
	600 to 1500 Ω	1 Ω	20.00



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