

# AC Current Probe Model SR182



Model SR182

## Description

The AC Current Probe Model SR182 is designed specifically for use with the AEMC® Ground Resistance Tester Model 6471 and 6472. When a single probe is used in conjunction with the traditional Fall-of-Potential method, selective grounds can be measured by moving the probe from point to point around the grounding system. When two SR182 probes are used in conjunction with the Model 6471 and 6472, grounding electrodes can be measured without the necessity of installing auxiliary rods and conducting a full potential measurement. This is also referred to as the stakeless method.

SPECIFICATIONS			
MODEL	Model 6472 with the SR182		
Earth Measurement with 2 Clamps			
Measuring Method	Voltage/Current measurement with a rectangular AC signal		
Induced Short Circuit Current	<26Arms		
Signal Frequency	Automatic: 1611Hz Manual: 128, 1367, 1611 or 1758Hz		
Noise Suppression	>80 dB at frequencies differing by 20% or more from the test frequency		
Max. Interfering Current	20A <sub>peak</sub>		
Max. Value for R <sub>H</sub> , R <sub>S</sub>	100kΩ		
Measuring Time	approx. 7 s. for the first value of R <sub>Loop</sub> , then 3 measurements per s.		
Measurement Range	0.10 to 9.99Ω	0.10 to 9.99Ω	100 to 500Ω
Measurement Frequency	1367Hz–1611Hz–1758Hz		
Resolution	0.01Ω	0.1Ω	1Ω
Operating Error (without external current)	± (10% + 1cts)		
Measurement Range	0.10 to 9.99Ω	10 to 30Ω	
Measurement Frequency	128Hz		
Resolution	0.01Ω	0.1Ω	
Operating Error (without external current)	± (20% + 2cts)		
Data Storage			
Memory Capacity	512 test results (64kB)		
Communication	Optically isolated USB		
Power			
Power Source	Rechargeable 9.6V, 3.5Ah NiMH Battery Pack		
Power Supply	110/220, 50/60Hz external charger with 18Vdc, 1.9A output or 12Vdc vehicle power		
Fuse	0.63A, 250V, 5x20mm, 1.5kA		

Authorized Distributor

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CATALOG NO.	DESCRIPTION
2135.72	AC Current Probe Model SR182