LEAKAGE CURRENT METERS AND PROBES

Artificial Neutral & Leakage Current Probe

Model AN-1

Generates a momentary grounded artificial neutral to allow the measurement of fault currents on ungrounded three-phase systems

►SPECIFICATIONS

MODEL	AN-1		
ELECTRICAL			
Working Voltage	30 to 600V		
Frequency	45 to 65Hz		
Resistance Per Phase	3.9 k $\Omega \pm 5\%$		
Relay Duty Time	Slow position: 500mS / Fast position: 2.3 seconds		
Power Source	12Vpc - Eight 1.5V AA batteries (included)		
Power Consumption	180mA		
Battery Life	Approx. 40 hours of use		
MECHANICAL			
Dimensions	8.7 x 5.4 x 5.9" (220 x 136 x 150mm)		
Weight	2.9 lbs (1.3kg)		
Case	Fire resistant polycarbonate UL94 VO		
ENVIRONMENTAL			
Reference Temperature	$73.4^{\circ} \pm 5^{\circ}F (23^{\circ} \pm 3^{\circ}C)$		
Operating Temperature	32° to 122°F (0° to 50°C); 10 to 90% RH (non-condensing)		
Storage Temperature	-40° to 158°F (-40° to 70°C); 10 to 90% RH (non-condensing)		

▶ FEATURES

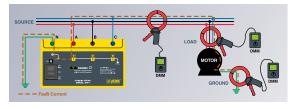
• Designed for ungrounded networks provides intermittent path to ground for leakage current measurements

Works from 30 to 600Vac

Red LED phase voltage indicators

 Switch selectable ground fault cycling of 500mS or 2.3 seconds

- Buzzer alerts each momentary fault
- · Battery operated
- Double insulated, fire retardant case
- Four color-coded 5 ft 1000V rated leads supplied with alligator clips
- Works with Model 2620 and other leakage current probes



Model 2620

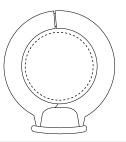
Check for leakage and locate insulation breakdowns on live circuits

►SPECIFICATIONS

MODEL	2620			
ELECTRICAL				
	4A Range	400A Range		
Current Range	500μA to 4A	500mA to 400A		
Output Signal	1mV/mA (4V max)	1mV/A (400mV max)		
Accuracy				
500μA to 10mA	3% of Reading ± 1mV	_		
10mA to 100mA	0.5% of Reading ± 0.5mV	_		
100mA to 4A	0.5% of Reading ± 0.5 mV	_		
500mA to 10A	_	0.5% of Reading ± 0.5mV		
10A to 100A	_	0.35% of Reading ± 0.5mV		
100A to 400A	_	0.35% of Reading ± 1mV		
Phase Shift				
500μA to 10mA	<15°	_		
10mA to 100mA	<10°	_		
100mA to 4A	_	<1°		
500mA to 10A	_	<0.6°		
Load Impedance	$1M\Omega$ min	1MΩ min		
Frequency Range	48 to 1000Hz	48 to 1000Hz		
MECHANICAL				
Dimensions	11.22 x 6.89 x 1.77" (285 x 175 x 45mm)			
Weight	2.87 lbs (1300g)			

▶ FEATURES

- · Very high sensitivity
- Differential or leakage current from 500µA
- Current up to 400A
- Two switch-selectable measurement ranges: 4Aac/400Aac
- Large inside jaw diameter allows use on large or multiple conductors
- Works with single-, dual- and three-phase systems
- · Connect directly to DMMs on mV or VAC range



Jaw Opening: 4.4" (112mm) Conductor Size: 4.4" (112mm)

CATALOG NO.	DESCRIPTION
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1971.01 Artificial Neutral Model AN-1

Accessories (Optional)

2125.52 Leakage Current Probe Model 2620 (4A-1V/A, 400A-1mV/A output)

