

LEAKAGE CURRENT METERS AND PROBES

Artificial Neutral & Leakage Current Probe

Model AN-1

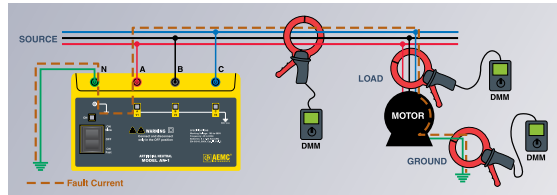
Generates a momentary grounded artificial neutral to allow the measurement of fault currents on ungrounded three-phase systems

► SPECIFICATIONS

MODEL	AN-1
ELECTRICAL	
Working Voltage	30 to 600V
Frequency	45 to 65Hz
Resistance Per Phase	$3.9k\Omega \pm 5\%$
Relay Duty Time	Slow position: 500mS / Fast position: 2.3 seconds
Power Source	12V _{DC} – 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 V0
ENVIRONMENTAL	
Reference Temperature	73.4° ± 5°F (23° ± 3°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

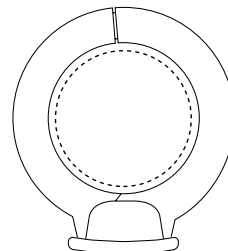
Check for leakage and locate insulation breakdowns on live circuits

► 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 ± 0.5mV	—
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	1MΩ 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

1971.01 Artificial Neutral Model AN-1

Accessories (Optional)

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