



# 229-2 Leakage Current Tester



## AC Current Leakage Tester

Small leakage currents can be dangerous! The current above the "threshold of perception" in appliances, motors and other equipment can cause a violent reaction which may result in serious physical injury. For service, lab, production or industry, the Model 229-2 helps determine product conformance to standards.

**CAUTION!** Leakage current in appliances may increase with use and aging. Check appliances periodically for safety.

- Designed around ANSI C39.5 requirement for the measurement of AC leakage current and UL Safety Standards.
- Compensated to Approximate Dalziel's Perception Curve
- Overload protected Up to 500 V Peak Momentarily on all ranges
- Checks both 120 VAC and 240 VAC appliances
- Includes Test Leads, Battery and Manual

## Specifications

**Ranges:** AC current: 0.3-1-3-10 mA

AC voltage: 0-150 and 0-300 volts

Battery Test: Replace-Good

**Short Test:** Red Arc: 30 mA FS, Green arc: 10 mA or less

**Resolution:** 5 $\mu$ A on 0.3 mA range

**Accuracy:**  $\pm 3\%$  at 60 Hz

**Input Impedance:** For current tests, 1.5K $\Omega$  in parallel with 0.15  $\mu$ F

**Input Resistance:** 0.5 M $\Omega$  for 150V Range, 1.0 M $\Omega$  for the 300V range

**Accuracy Vs. Frequency:** Approximates Dalziel's "Percentile 50 Threshold of Perception Curve" within  $\pm 1.0$  dB

**Battery Life:** Approximately 200 hours

**Rated Circuit to Ground Voltage:** 300Vrms

**Reference Conditions:** 23C  $\pm 1$ C, 30% to 60% Relative Humidity

**Overload Protection:** Up to 500V peak momentarily on all ranges

**Size:** 7" x 5-1/4" x 3-1/8"

**Weight:** 3 lbs. (1.4 Kg)

**Battery:** One 9V NEDA No. 13F, 1604A (Burgess Type PM-6 or Equivalent)

Specifications subject to change without notice.

**Any discussion in this document regarding UL, ANSI or IEC specifications is for Reference purposes only. The input network utilized in the M229-2 is detailed in Figure 1 on Page 3 of the manual. The customer is advised to obtain the latest specification from the rating agency.**

**NOTE:** For specification information call ANSI at (212) 642-4900 or UL in Northbrook, IL at (847) 272-8800.

## Ordering Information

| LEAKAGE TESTER               | Catalog No. | ACCESSORIES                             | Catalog No. | ACCESSORIES                       | Catalog No. |
|------------------------------|-------------|-----------------------------------------|-------------|-----------------------------------|-------------|
| 229-2 Current Leakage tester | 12267       | Probe leads w/ screw-on alligator clips | 00125       | Case, Yellow Padded Nylon         | 00832       |
|                              |             | Probe set, replaceable tip, banana plug | 07538       | Case, Black Padded Nylon          | 00834       |
|                              |             | Clip set, alligator, screw on           | 00425       | Case, Hard Leatherette Front Load | 00805       |
|                              |             | Lead set, alligator, banana plug        | 07500       | Case, Molded Plastic              | 45028       |



Carrying Case accommodates the Tester, Test Leads and Operators Manual.