

Ground Fault Detector/ Current Leakage Probe Model 2610



The Ground Fault/Current Leakage Probe Model 2610 measures leakage current shunted to ground caused by insulation faults. It enables location of failures when or before they occur, without equipment shutdown. It is designed specifically for locating low current faults on high current loads. It measures differential or leakage current from 500 μ A and may be used to measure currents up to 200A continuous duty (400A maximum).

The Model 2610 provides, on two ranges, 1mVAc/mAac or 1mVAc/Aac. When the 2610 is used as a current leakage detector, it makes no difference if the system is single-phase or polyphase, or if the currents are in-phase or out-of-phase, balanced or unbalanced.

The Model 2610 may be used simply as a highly accurate clamp-on current probe. With its 4-inch jaw opening and range of 500 μ A to 200A, the Model 2610 provides a versatile way to analyze unbalanced current measurements, leakage values on grounding conductors and ground loop currents.

Features

- Works on grounded single- and three-phase networks
- Works on high current circuits
- Extremely sensitive clamp-on ammeter measures as low as 500 μ Aac leakage on differential current
- Measures current to 200Aac
- Large-aperture CT (3.1") clamps directly onto conductors without interrupting service
- Locates fault by direct measurement of fault current
- Ideal for preventive maintenance — avoid shut-down time and costly failures

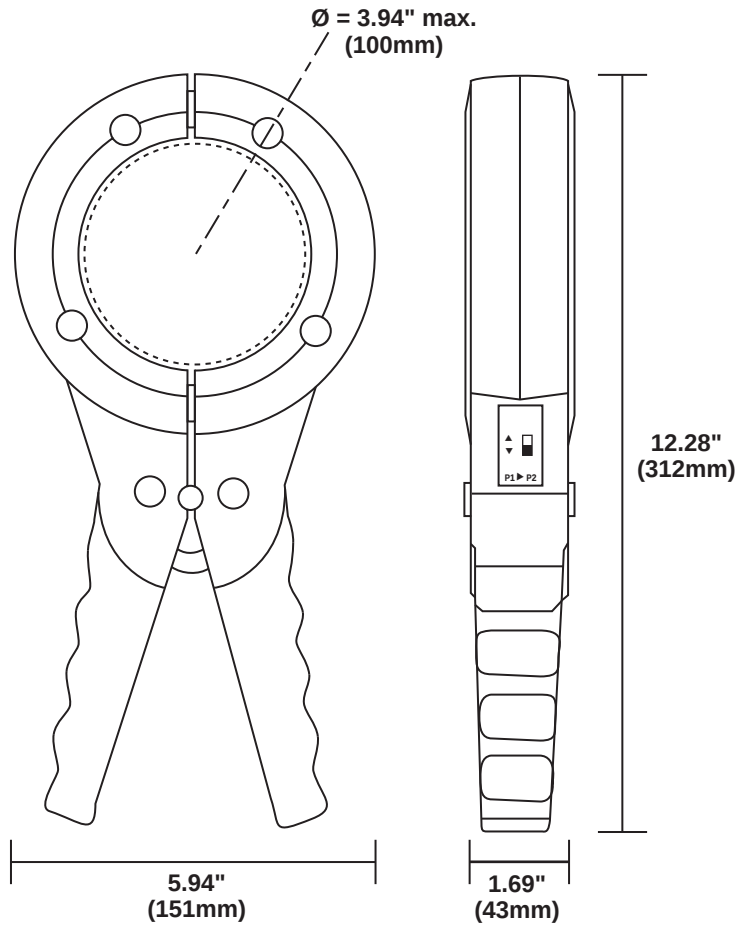
Applications

- Preventive maintenance
- Equipment troubleshooting on electrical distribution systems
- High accuracy low-current measurements
- Large inside jaw diameter (3.9") allows use on large or multiple conductors
- Measure fault currents on three-phase, three-wire systems

Specifications

MODEL	2610
ELECTRICAL	
Nominal Range	400A
Measurement Range	500 μ A to 6A/500mA to 200A
Transformation Ratio	Voltage output
Output Signal	1mV/mA (400mV max @ 400A)
Accuracy (5A Range) 500 μ A to 10mA 10mA to 4A	$\pm 3.0\%$ of Reading + 1mA
	$\pm 0.5\%$ of Reading + 0.5mA
Accuracy (200A Range) 0.5 to 10A 10 to 200A 200 to 400A	$\pm 0.5\%$ of Reading + 0.5mA
	$\pm 0.5\%$ of Reading + 0.5mA
	$\pm 0.5\%$ of Reading + 1mA
Overload	Between 200A and 400A the max measurement time is 5 min., with 20 min. rest @ 25°C (77°F) or less
Frequency Range	10 to 1000Hz (100A max @ 1000Hz) 30Hz to 1kHz frequency limited to 100A to 1kHz
Load Impedance	$\geq 1\text{m}\Omega$ min (5A); $\geq 1\text{k}\Omega$ (200A)
Working/Common Mode Voltage	600V _{AC}
Output Termination	5 ft Lead
MECHANICAL	
Operating Temperature	73.4° to 37.4°F (23° $\pm$ 3°C)
Storage Temperature	-43° to 158°F (-40° to 70°C), between 10 and 90% humidity
Maximum Conductor Size	3.94" (100mm)
Dimensions	12.25 x 5.9 x 1.639" (31.1 x 15 x 4.1mm)
Weight	4.4 lbs (2kg)
Polycarbonate Material	Handles: UL94 VO; Jaws: UL94 V2
SAFETY	
Electrical	Dielectric strength test: 2kV _{AC} Maximum work voltage: 600V _{AC}
CE Mark	Yes

Note: Reference conditions: Ambient temperature 23°C + 3°C, current frequency 48 to 65Hz, impedance of measuring instrument >10M Ω /100pF, absence of DC current in the conductor, conductor centered within the jaws.



Leads:
Double/reinforced
5 ft (1.5m) lead
with safety 4mm
banana plug

ORDERING INFORMATION

CATALOG NO.

Current Leakage/Insulation Probe Model 2610 (1mV/mA – 4A max & 1mV/A 200A max) **Cat. #1201.42**

Includes a user manual

Accessories (Optional)

General Purpose Carrying Case Cat. #2118.09

Banana Plug Adaptor for leads. Cat. #1017.45

Contact Us

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