

## DOBLE ACCESSORIES

# COMPACT AC CURRENT CLAMP

High Accuracy Voltage Output Current Clamp

## CAPTURE CURRENT READINGS FOR CIRCUIT BREAKER AND PROTECTION TESTING

Doble's Compact AC Current Clamp is designed to help you perform precise protection or circuit breaker testing in tight wiring circuits. This highly accurate current probe is used with your Doble F-Series test instruments (and the F6820 AIM option) for monitoring and recording parameters or Doble TDR circuit breaker test instruments. Its "clothes pin" shape makes it ideal for testing in and around control panels, cabinets and outlets.



## TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
Current Range	1mA to 10A AC, continuous
Output Signal	100mV AC/A AC (1V @ 10A)
Accuracy and Phase Shift	Reference conditions: 23°C ± 3°K, 20 to 85% RH, 48 to 65Hz, external magnetic field < 40A/m, no DC component, no external current-carrying conductor, test sample centered. Load impedance 1MΩ
Accuracy	1mA to 10A: 2% ± 2mA 40Hz to 3kHz: 3.5% ± 2mA
Phase Shift	45 to 65Hz 100A to 10A: less than or equal to 8°
Overload	20A continuous
Frequency Range	30 to 5kHz
Load Impedance	100kΩ minimum
Working Voltage	250V AC
Common Mode Voltage	30V AC

  

MECHANICAL SPECIFICATIONS	
Operating Temperature	-13° to 122° F (-25° to 50° C)
Storage Temperature	-40° to 176° F (-40° to 80° C)
Temperature Influence	<0.2% per 10°K
Dimensions	1.26 x 4.5 x 0.87 inch (32 x 115 x 22mm)
Weight	6oz (160g)
Colors	Dark gray handles with red cover
Polycarbonate material	Handle: 10% fiberglass charged polycarbonate UL 94 V0
Output	Insulated 5 ft (1.5m) lead with safety banana plug

  

SAFETY SPECIFICATIONS	
Electrical	3kV 50/60Hz dielectric for 1mm between core and output cable



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Specifications are subject to change without notice.  
Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company.  
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