



AC/DC Current Probes HE Series 1000A – 2000A

The new HE series of battery powered current probes are based on Open Loop Hall Effect technology for accurate measurement of both AC and DC currents up to 2000A.



SPECIFICATION			
MODEL	UP 1000A/1V	UP 100A 1000A/1V	UP 200A 2000A/2V
Current Range	1000A DC or AC _{RMS}	100 / 1000A DC or AC _{RMS}	200 / 2000A DC or AC _{PK}
Output Sensitivity	1mV/A	10 / 1mV/A	10 / 1mV/A
Basic Accuracy	± 1% of reading ± 0.5A	± 1% of rdg ± 0.1A / ±0.5A	±1% of rdg ±0.1A / ±0.5A ± 5% of rdg ± 0.5A (1.5 – 2kA)
Frequency Range	DC to 10kHz (-3dB) $I_{RMS} \times f \leq 400,000$	DC to 20kHz (-3dB) $I_{RMS} \times f \leq 400,000$	
Conductor Position Sensitivity	±1% relative to centre reading		
Phase Shift (up to 1kHz)	N/A	< 2 degrees	
Load Impedance	> 100k Ω		
Maximum Conductor Size	32 mm		
Working Voltage	300V AC _{RMS} or DC		
Output Connection	4mm Safety Plugs (1.5m cable)	Safety Male BNC connector (2m cable)	
Operating Temperature	0°C to 50°C		
Temp. Coefficient	± 0.15% of reading per °C		
Relative zero correction	Auto zero at switch on or via push button		
Storage Temperature (Without Battery)	-20°C to 85°C		
Battery Type	9v Alkaline: MN1604, PP3, IEC 6LR61 or equivalent		
Battery Life	50 Hours (Typical)		

All Accuracies Stated at: 23°C ± 1°C

Safety Standards

EN 61010-1
EN 61010-2-032

300V RMS Measurement Category III
Pollution Degree 2

EMC Standard

EN 61326-2-2

1. Jaws
2. Conventional current direction
3. Tactile Barrier
4. Battery cover
5. Battery cover screw
6. Jaw trigger
7. ON/OFF/RANGE switch
8. Auto zero button
9. LED

To disable auto off hold auto zero button whilst switching on, the LED will illuminate red to indicate auto off is disabled.

