



AC/DC Current Probes HE Series 30A – 300A

The new HE series of battery powered current probes are based on Hall Effect technology for accurate measurement of both AC and DC currents up to 300A.



SPECIFICATION			
MODEL	UPa 30A/3V	UPb 30A/3V	UP 30A 300A/3V
Current Range	30A DC or AC <i>Peak</i>	30A DC or AC <i>Peak</i>	30 / 300A <i>RMS</i>
Output Sensitivity	100mV/A	100mV/A	10 / 1mV/A
Basic Accuracy	± 1% of reading ± 2mA		± 1% of reading ± 50 / ±100mA
Frequency Range	DC to 20kHz (-3dB)		DC to 100kHz (-0.5dB)
Conductor Position Sensitivity	±1% relative to centre reading		
Phase Shift (up to 1kHz)	< 2 degrees		
Load Impedance	> 100kΩ		
Maximum Conductor Size	25 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	± 0.01% of reading per °C		± 0.1% 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	30 Hours (Typical)		

All Accuracies Stated at: 23°C $\pm$ 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.

