Universal Technic

AC/DC Current Probes
HE Series External Power

The new HE series of externally powered current probes are based on Closed Loop Hall Effect technology for accurate measurement of both AC and DC currents.

SPECIFICATION			
MODEL	***UP 5A/5V***	***UP 50A/5V***	***UP 150A/7.5V***
Current Range	*5A DC or AC $_{RMS}$*	*50A DC or AC $_{RMS}$*	*150A DC or AC $_{PEAK}$*
Output Sensitivity	*1000 mV/A*	*100 mV/A*	*50 mV/A*
Basic Accuracy	*±1% of reading ± 2mA*		
Frequency Range	*DC to 100kHz (-1dB)*		
Conductor Position Sensitivity	*±0.2% relative to centre reading*		
Error due to Earth's Magnetic Field	*±10 mA max*		
External Field Rejection Ratio	*500:1*		
Load Impedance	*> 10kΩ and ≤ 100pF*		
Maximum Conductor Size	*32 mm*		
Working Voltage	*300V AC$_{RMS}$ or DC*		
Output Connection	*2.9 m cable unterminated*		
Operating Temperature	*0 ℃ to 50 ℃*		
Temp. Coefficient	*± 0.02% of reading per ℃*		
Relative zero correction	*Auto zero at switch on*		
Zero Offset (+25 °C)	*±100mA max*		
Zero Drift (0 °C to +50 °C)	*± 20mA / °C*		
Storage Temperature	*-20 ℃ to 85 ℃*		
External Power Supply	*±10.5 to ±16 V*		
Current Consumption	*30mA + 1mA/A measured (200mA max)*		
Jaws Open Status	*0V (Lo) – Status LED illuminated*		
Jaws Closed Status	*+ V Supply (Hi) – Status LED Not illuminated*		

All Accuracies Stated at: 23°C ± 1°C

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Safety Standards

EN 61010-1
EN 61010-2-032

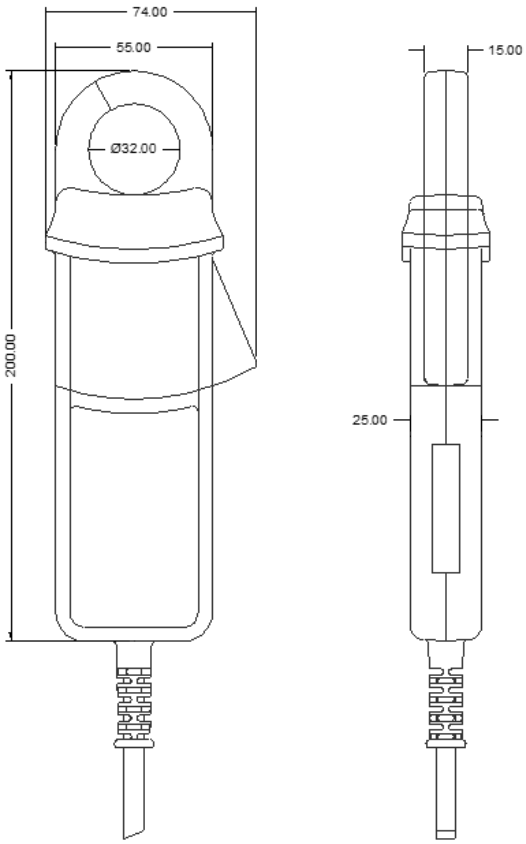
300V RMS Measurement Category III
Pollution Degree 2

EMC Standard

EN 61326-2-2

Dimensions

in mm



Power Supply Connection

Colour	Function
Red	+ Supply
Blue	- Supply
Green	0V
White	Output
Black	Output (0V)
Yellow	Jaw Status

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