

HZ050 AC/DC Current Probe 30ACurrent measurement
with HMO

This AC/DC current probe is used to measure currents from 1mA to 30A over a broad frequency range. The measurement principle is based on the Hall Effect that registers the magnetic field generated by the current flow. Even for complex waveforms a high degree of measurement accuracy is achieved. The output voltage is proportional to the measured current and well suited to be displayed on an oscilloscope. The current probe complies with the safety standards defined in IEC/EN 61010.

Specifications

Measurement range:	$\pm 20A_{rms}/30A_p$
Accuracy:	$\pm 1\%$ from measurement value $\pm 2mA$
Bandwidth:	DC...100kHz (0.5dB)
Resolution:	$\pm 1mA$
Output Voltage:	100mV/A
Load impedance:	$>100k\Omega \parallel \leq 100pF$
Max. Voltage:	$300V_{rms}$ (AC or DC)
Output cable/Connector:	2m (50 Ω)/BNC
Measuring category:	CAT III

HZ051 AC/DC Current Probe 100A/1000ACurrent measurement
with HMO

This AC/DC current probe is used to measure currents from 100mA to 1000A over a broad frequency range. The measurement principle is based on the Hall Effect that registers the magnetic field generated by the current flow. Even for complex waveforms a high degree of measurement accuracy is achieved. The output voltage is proportional to the measured current and well suited to be displayed on an oscilloscope. The current probe complies with the safety standards defined in IEC/EN 61010.

Specifications

Measurement range:	$\pm 100A_{rms}/1000A_{rms}$
Accuracy:	$\pm 1\%$ from measurement value $\pm 0.1A/\pm 0.5A$
Bandwidth:	DC...20kHz
Resolution:	$\pm 100mA/\pm 500mA$
Output Voltage:	10mV/A/1mV/A
Load impedance:	$>100k\Omega \parallel \leq 100pF$
Max. Voltage:	$300V_{rms}$ (AC or DC)
Output cable/Connector:	2m (50 Ω)/BNC
Measuring category:	CAT III