## HZO50 AC/DC Current Probe 30A

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.

Current measurement with HMO

**Technical specifications**

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

## HZO51 AC/DC Current Probe 100A/1,000A

This AC/DC current probe is used to measure currents from 100mA to 1,000A 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.

Current measurement with HMO

**Technical specifications**

| | |
|---|---|
| Measurement range: | $\pm 100A_{rms}/1{,}000A_{rms}$ |
| Accuracy: | ±1% from measurement value ±0.1A/±0.5A |
| Bandwidth: | DC...20kHz |
| Resolution: | ±100mA/±500mA |
| Output Voltage: | 10mV/A/1mV/A |
| Load impedance: | >100kΩ II ≤100pF |
| Max. Voltage: | $300V_{rms}$ (AC or DC) |
| Output cable/Connector: | 2m (50Ω)/BNC |
| Measuring category: | CAT III |

## HZ525 Termination

| | |
|---|---|
| Frequency range: | DC...6GHz |
| Impedance: | 50Ω |
| VSWR: | 1.05 (DC...1GHz) |
| | 1.1 (1...4GHz) |
| | 1.2 (4...6GHz) |
| Power: | 1W aver. |
| Connection: | N-male |

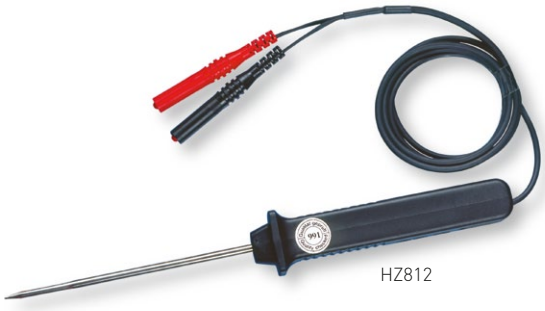
## HZ575 Converter


HZ575 is a 75Ω to 50Ω converter enabling measurement in 75Ω systems in connection with 50Ω input impedance spectrum analyzers. The 75Ω input is a 75Ω BNC socket which is AC coupled internally. The output is a 50Ω N male connector which is DC coupled. HZ575 can also be used for reverse operation converting 50Ω to 75Ω.

**Technical specifications**

| | |
|---|---|
| Frequency Range: | 5MHz...1.2GHz |
| Insertion loss: | less than 1dB |
| Max. Level/Voltage: | |
| at 75Ω connector | +10dBm/±20$V_{dc}$ |
| at 50Ω connector | +10dBm/0$V_{dc}$ |
| Dimensions: | 25 x 25 x 58mm (W x H x D) |
| Weight: | 100g |

## HZ812/HZ887 PT100 Temperature Probe



HZ812

HZ887

The HZ812 and HZ887 Temperature Probes are immersion sensors with PT100 sensing resistors. They ensure excellent precision over a broad temperature range. The probes are of robust construction, waterproof and also suitable for use in air or dusty environments. The technical specifications apply for immersion depths of at least 60mm.

The probe is connected to the measuring instrument either with a 2-pin connection using a safety plug (HZ812) or with a 4-pin connection via a 4mm banana plug (HZ887). The length of the connector cable is 1.2m for both probes.

HZ812 is suitable for use in combination with HM8012
HZ887 is suitable for use in combination with HM8112

**Technical specifications in accordance with EN60751 (formerly IEC751)**

| | |
|---|---|
| Probe diameter: | 4mm |
| Measurement range: | -50...+400°C |
| Accuracy, Class A: | ±(0.2% of the reading + 0.15°C) |
| $t_{99}$ (s): | 12s (time required to display 99% of the temperature change) |
| Connection HZ812: | Safety plug, 4mm, 1.2m PVC cable |
| Connection HZ887: | 4mm banana plug, 1.2m PVC cable |

Accuracy, HZ812 in combination with HM8012:

| | |
|---|---|
| -50°C <T° <200°C | ±(0.2% of reading +0.25°C) |
| 200°C <T° <400°C | ±(0.2% of reading +0.45°C) |

Temperature measurement HZ887 in combination with HM8112-3

## HZ181 4 Terminal Test Fixture including Shorting Plate


4 Terminal Test Fixture including Shorting Plate (for HM8118) for evaluation of lead type devices.

## HZ184 4 Terminal Kelvin Test Cable

The 4 Terminal Kelvin Test Cable with Kelvin clips (included with HM8118) makes it possible to measure odd-shaped components that cannot be measured with conventional fixtures.

## HZ186 4 Terminal Transformer Test Cable

4 Terminal Transformer Test Cable (for HM8118) for transformer measurements.

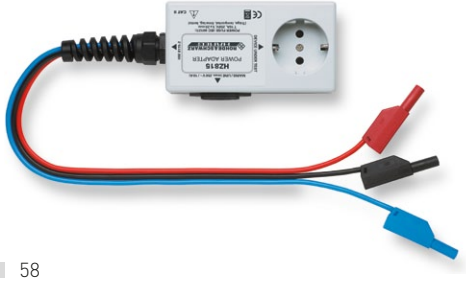
## HZ188 4 Terminal SMD Component Test Fixture


4 Terminal SMD Component Test Fixture (included with HM8118) for evaluation of SMD components.

## HZ809 Test Adapter for Modular System Series 8000


Test adapter for the testing and repair of insert modules for Modular System Series 8000 outside the mainframe HM8001-2. The module connection terminals in the basic unit are led through 1 to 1. The modules can then be operated outside the mainframe while the housing is open.

## HZ815 Power Adapter for HM8115-2



Adapter for simplified measurement of power consumption, line voltage and current consumption of mains operated gear (3-wire safety plug or European standard plug) using the HM8115-2 Power Meter.