

Product

3276 Current Probe

Headline

AC/DC current probe, 30 A / 100 MHz

Short Description

Hall sensor based zero-flux current probe suitable for capturing small to high-speed currents, wide bandwidth from DC to 100 MHz, measurable continuous current from 10 mA to 30 A, high signal-to-noise ratio, standard BNC oscilloscope connectivity, built-in overload protection

Banner Specs

- DC to 100 MHz bandwidth
- 10 mA to 30 A measurable current
- Standard BNC output for all kind of oscilloscopes

Applications

- Power supplies (switching and linear)
- Semiconductor devices (SCRs, IGBTs, MOSFETs, CMOS, BJTs)
- Power inverters/converters
- Industrial/consumer electronics
- Mobile communications (phone, satellite, relay stations)
- Motor drives
- Mobility systems (EVs, electric trains, avionics)

Product Description

The HIOKI 3276 current probe is designed for use with advanced oscilloscopes, memory recorders like HIOKI's MR6000, or other data acquisition systems. The probe features a wide DC to 100 MHz bandwidth and can measure currents ranging from 10 mA to 30 A. If over-currents cause the clamp's measurement circuit to overheat, the power supply to the circuit is automatically disconnected to prevent damage to the device.

The 3276 current probe outputs the measurement signal through a standard BNC connector at a high impedance level, allowing direct connection to a wide range of oscilloscopes. For best results, especially for precise signal analysis, it is recommended to use an oscilloscope with a high-resolution ADC system or a recording system like HIOKI's MR6000.

Overall, the HIOKI 3276 current probe is a comprehensive solution for a wide range of current measurement applications. It offers essential features that ensure precision, safety, and efficiency in a compact and robust design. Whether you are working with high-speed or small currents, the 3276 is the tool that guarantees accurate and reliable measurements.

What's in the box

- 3276 with hard shell case
- Instruction manual

Related Products

- 3269 Power Supply
- 3272 Power Supply
- CT6711 Current Probe
- CT6710 Current Probe
- CT6701 Current Probe
- CT6700 Current Probe
- 3273-50 Current Probe
- 3274 Current Probe
- 3275 Current Probe
- MR6000 Memory Recorder

Version	Date	Author	Approved	Document changes
1.0	17.10.2024	KS	KS	First Release