

When measuring current close to the derating, allow a cool-down time of at least 10 times the time for which the current was input.

Phase Correction Values

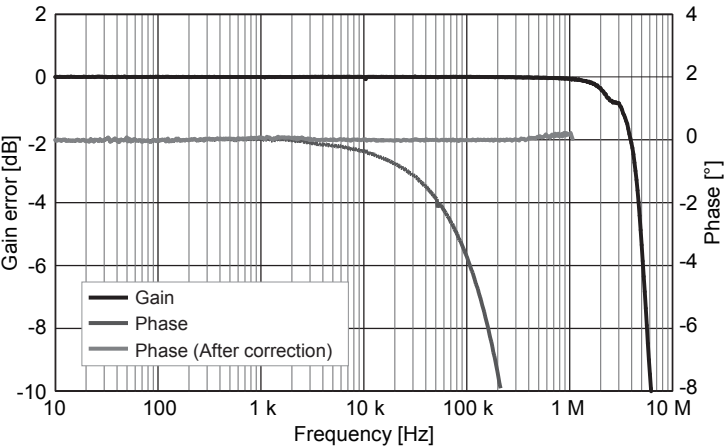
Enter the following correction values (characteristic values) when performing phase correction on the PW6001 or PW3390.

300kHz -9.82°

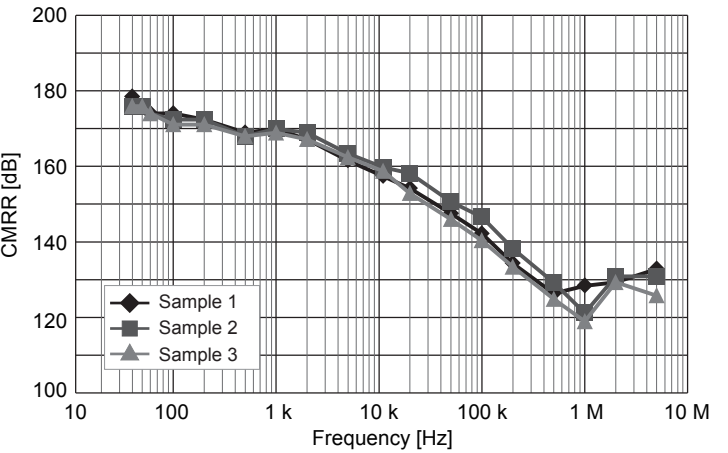
The 300 kHz phase measured value noted in the test report can be used as the phase correction value. In theory, using this value will allow more accurate measurement than is possible when using the representative value.

Characteristics

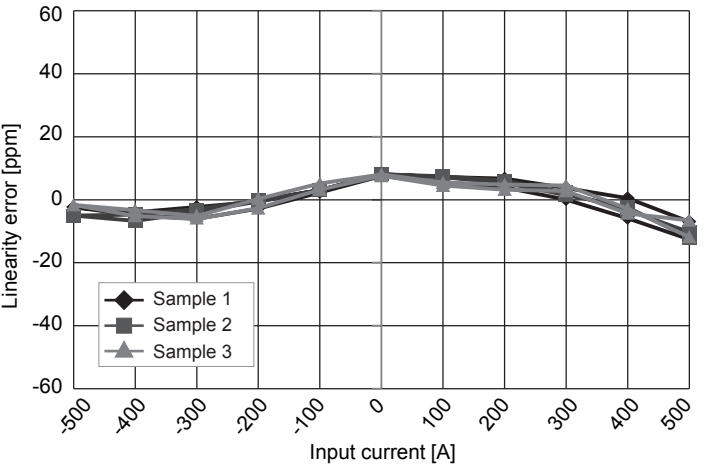
Frequency characteristics (Typical)



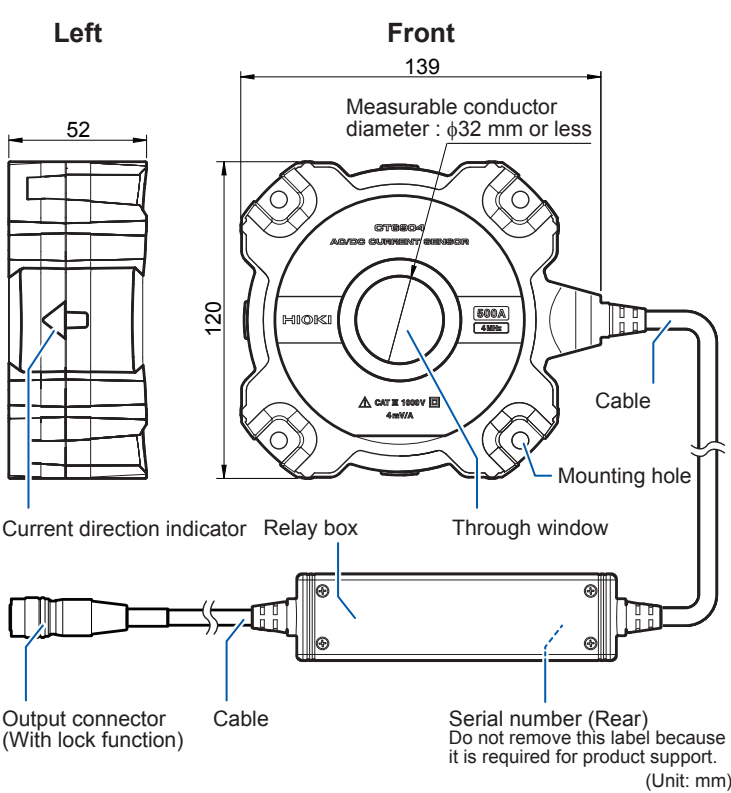
CMRR (Typical)



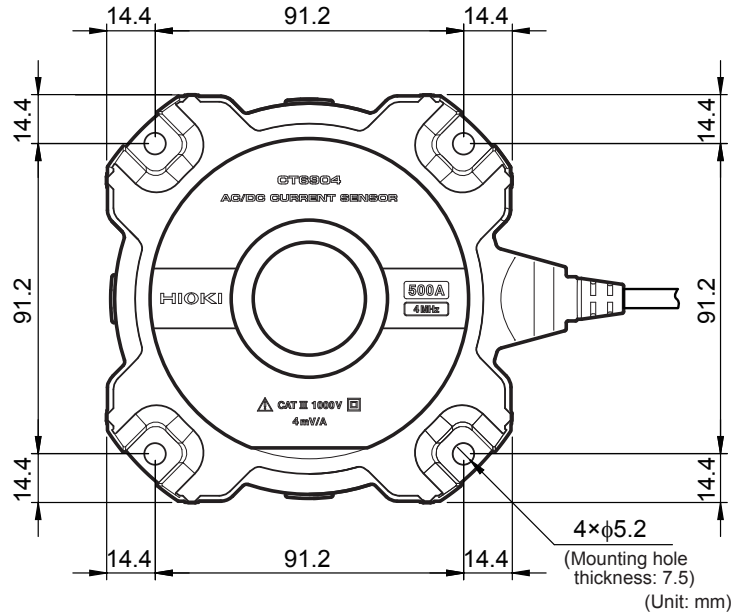
Linearity error (Typical)



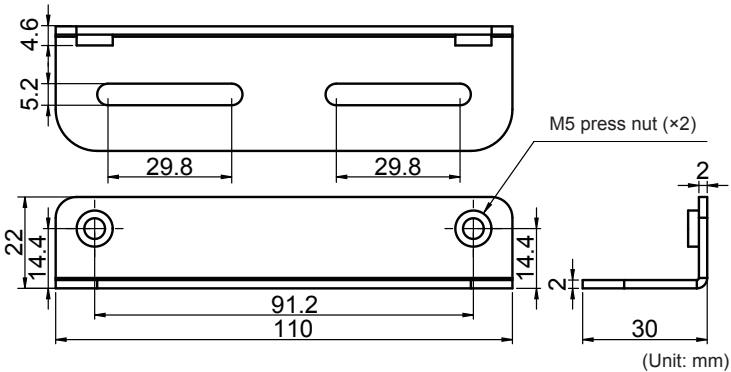
Part Names and Dimensions



Mounting hole dimensions



Mounting hardware dimensions (Option)



Example Installation/Mount

To facilitate high-precision measurement, the measured conductor must be as short as possible. Determine how to mount the device so that the measured conductor is as short as possible.

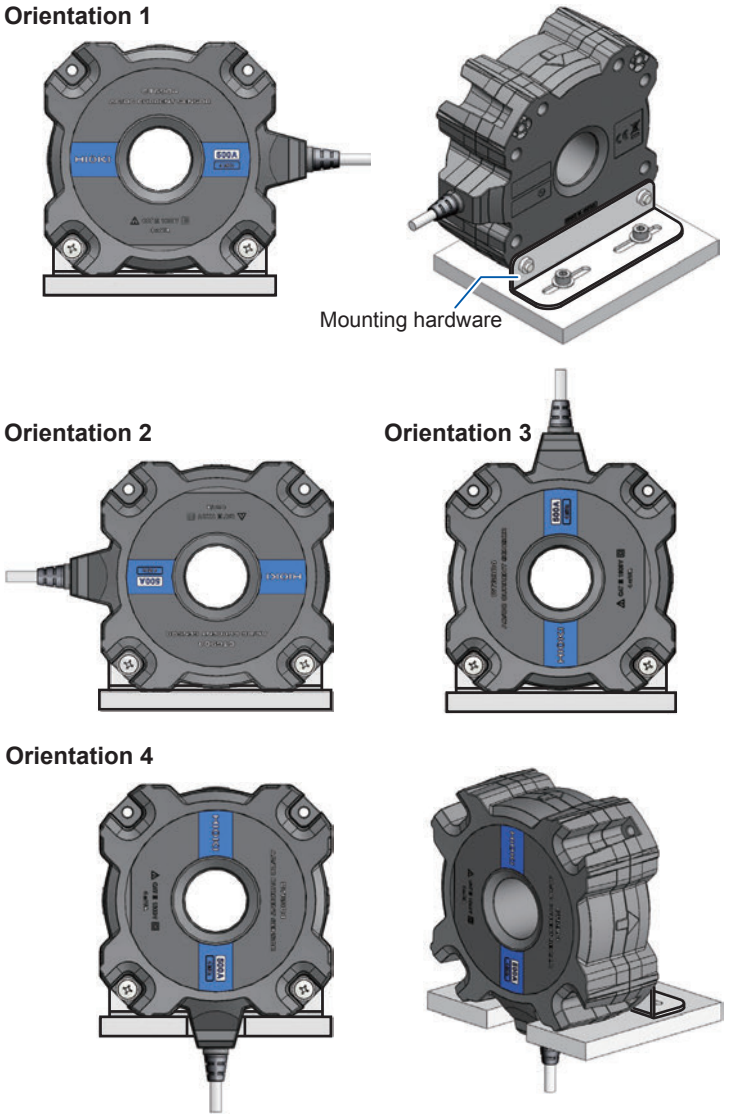
Recommended tightening conditions

- Nominal screw size: M5
- Screw length: 20 mm or more
- Tightening torque: 1.5 N•m to 2.0 N•m
- Use a washer and lock washer

There are two ways to mount the sensor:

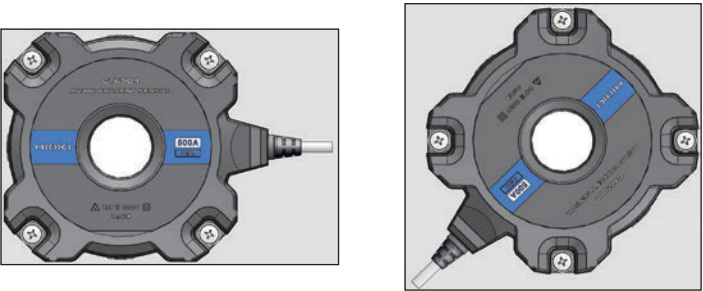
1. Using the mounting hardware

The sensor can be mounted in four orientations.



2. Mounting directly

The sensor can be mounted in the desired orientation.



Measurement Procedure

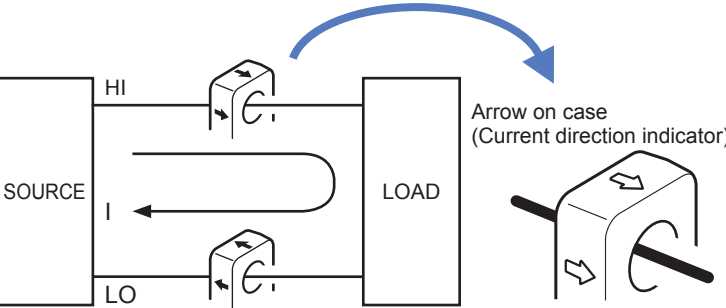
Inspection Before Use

Verify that the device operates normally to ensure that no damage occurred during storage or shipping. If you find any damage, contact your authorized Hioki distributor or reseller.

| Check Items   | Remedy   |
|---|--|
| Is the device cracked or damaged?                                 | If there is any damage, electric shock may result. Discontinue use and contact your authorized Hioki distributor or reseller.          |
| Is the cable insulation torn?                                     |  |
| Is the cable broken at the base (of the connector or the sensor)? | Broken connections will make proper measurement impossible. Discontinue use and contact your authorized Hioki distributor or reseller. |

Wiring

Make sure the direction of the arrow on the case matches the direction of the current flow, as shown in the figure below. If they are oriented incorrectly, the output signal from the sensor will be reversed. When using the device in combination with a power meter, conform to the power meter's wiring method.



IMPORTANT

Make sure to pass only one conductor through.

**OK**

Single-phase (2-wire) or three-phase (3-wire) cables conducted together will not produce any reading.

**NO**

Shielded  
Ground-shielded conductors cannot be accurately measured.

**NO**