Measure Heavy Currents in Mega Solar Facilities, EV/HEVs, and more

**AC** 1000 A_{rms}

**DC± 1000 A**

The AC/DC CURRENT SENSOR CT6865 is the latest addition to Hioki’s advanced lineup of high-precision broadband current sensors.

Energy-saving and environmentally friendly technologies are spreading fast. Large-scale solar power plants, electric vehicles, hybrid electric vehicles, and other energy-saving electricity-using technologies are increasingly common. The CT6865 has a broadband capacity of DC to 20 kHz and can be used for a wide range of measurements, from testing the DC side of solar power plants to the secondary side of inverters, handling heavy currents with the same level of precision as a direct-coupled ammeter.

Works at temperatures from -30°C (-22°F) to 85°C (185°F)

Basic sensor accuracy of ±0.05 %rdg. ±0.01 %f.s.
CT6865 specifications
(Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

- Rated primary current: 1000 A AC/DC
- Output voltage: 2 V/1000 A
- Maximum allowable input: ±1200 A DC, 1200 A AC; (crest value: 1800 A peak)
- Basic accuracy DC, 45 to 66 Hz: Amplitude accuracy: ±0.05% rdg. ±0.01% f.s.
  Phase accuracy: ±0.2 deg (No specified phase accuracy for DC)
- Frequency characteristics: DC to 20 kHz
- Maximum voltage to ground: CAT III 1000 V AC/DC
- Operating temperature and humidity range: -30°C (-22°F) to 85°C (185°F), 80% rh or less (no condensation)
- Diameter of measurable conductors: φ34 mm (1.34 in) or less (CV 600 V single core 325 mm² (0.50 in²) or less)
- Dimensions and mass: 160 mm (6.30 in)W × 112 mm (4.41 in)H × 50 mm (1.97 in)D, 980 g (34.6 oz), cord length 3 m (9.84 ft)

(Note) There are current limits due to derating

Model: AC/DC CURRENT SENSOR

Model No.(Order Code) (Note)
CT6865 1000A, PL23 terminal
CT6865-05 1000A, ME15 terminal
9709 500A, PL23 terminal
9709-05 500A, ME15 terminal
CT6863 200A, PL23 terminal
CT6863-05 200A, ME15 terminal
CT6862 50A, PL23 terminal
CT6862-05 50A, ME15 terminal

Options

SENSORY UNIT CT9555

* For power supply when the AC/DC CURRENT SENSOR is used alone.

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