

ENTOUCH

CT-50 Current Sensor



Smarter Buildings. Better Business.

The Split-Core Current Sensor CT-50 is designed to work with our Entouch EMS family to sense the AC current passing through the center conductor. Designed for fast and easy installation, it permits a safer, easy, and current measurement. It may be used in applications such as sub-metering and monitoring motor loads.

Entouch manages a fit-for-purpose suite of devices that collects all the data from your facility's systems needed to transform your operations and make better decisions digitally. Our ecosystem includes our controller – the smart thermostat, lighting and load control, utility-grade energy meters, and wireless sensors to monitor everything from in-room temperature and indoor air quality to all of your HVAC assets

Our patented technology stack and unmatched experience with over 100,000 installed devices, coupled with our mobile installation app and cloud-based commissioning tools, produce simple, fast, high-quality, one-and-done installations that do not disrupt your business.

FEATURES

- Compact size.
- Secure locking hinge.
- Easy and fast installation.
- Permits non-contact current measurements through magnetic field induction through the split-core design.

TECHNICAL SPECIFICATIONS

SYSTEM COMPATIBILITY

- Maximum continuous primary current 80 A AC
- Current Ratio: 500:1,1000:1,2000:1,2500:1,3000: 1
- Output: 0.333 Volt at rated current
- Accuracy: ± 1% from 5% to 120% of rated current
- Insulation Voltage: 600Vac
- Maximum Primary Voltage: 5000Vac (Insulated Conductor)
- Frequency Range: 50 Hz to 400 Hz
- Operating Temperature: -15°C to 60°C (5°F to 140°F)
- CE, UL recognized, and RoHS compliant

PHYSICAL DIMENSIONS

- 1.5" x 1" x 1"
- 3/8" Diameter
- Leads: 3.5 Foot, UL 1015, Twisted Pair, 0.34 mm2 (22AWG)
- Phase angle: Less than 2 degrees at 50% of rated current

