

## **AC Current Transducer CT-453**

## 1000A AC

## **GENERAL DESCRIPTION**

The CT-453 probe is designed to easily measure current in industrial and power environments. The clamp on core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken offline and disconnected for CT installation. This allows for a safer and easier method of measuring current.

## **SPECIFICATIONS**

Rated Input: 1.5 to 1000A AC @ 50/60Hz **Secondary Output:** 5.0 VDC @ rated current

Passive circuitry will be used for AC to DC conversion

± 2.5% from 2% to 5% of rated current Accuracy: ± 1% from 5% to 100% of rated current

≤ 0.800 Seconds

Ripple:

≤ 1%

**Burden Resistance:** 

**Response Time:** 

≥ 100 kOhms

**Operating Temperature:** 

-10° C to 60° C (14°F to 140°F)

Operating Voltage: 600V

600V CAT III Safety:

**Maximum Cable Diameter:** 52mm (2.05 in.)

**Dimensions:** 108 x 216 x 45mm (4.25 in. x 8.50 in. x 1.77 in.)

**Output Cable:** 1.5m (60 in.) PVC insulated, reinforced coaxial cable



All measurements in millimeters Ø100 216 108

