

AC Current Transducer CT-353

500A AC

GENERAL DESCRIPTION

The CT-353 probe is built for ruggedness, versatility and ease of use. It is designed with a unique hook-shaped jaw that enables the user to "pry" into or "hook" onto cables (will accept 2 x 500kcmil) or even smaller bus bars.

ELECTRICAL SPECIFICATIONS

Operating Range:	2 to 500A
Measurement Range:	5 to 500A
Transformation Ratio:	DC Voltage output
Output Signal:	10mV DC/A AC (5V DC @ 500 AAC)

Range	Accuracy	Phase Shift
5 to 25A	5% of Reading	N/A
25 to 100A	2% of Reading	N/A
100 to 250A	1% of Reading	N/A
250 to 500A	1% of Reading	N/A

Overload:	700 A for 10 min ON, 30 min OFF
Frequency Range:	48 to 1000Hz (error: add 2% to the ref.)
Working Voltage:	600Vrms
Common Mode Voltage:	600Vrms

MECHANICAL SPECIFICATIONS

Dimensions:	2.6 x 7.68 x 1.34" (66 x 195 x 34mm)
Weight:	420 g (14.82 oz)
Jaw Opening:	1.3" (33mm)
Maximum Conductor Size:	1.18" (30mm), Max Bus Bar size: 2.48 x 0.20" (63 x 5mm)
Polycarbonate Material:	Handles: 10% fiberglass charged polycarbonate UL94 VO
Output:	5 feet double insulated cable with non-insulated ferrules Red ferrule is positive
Operating Temperature:	-5° to 122°F (-15° to 50°C)
Storage Temperature:	-40° to 185°F (-40° to 85°C)

SAFETY SPECIFICATIONS

-  **Electrical:**
EN 61010-2-32
600V CATIII, Pollution: 2; 300V CAT IV, Pollution: 2
- Electromagnetic Compatibility:**
EN 50081-1 Class B; EN 50082-2 Electrostatic discharge IEC 1000-4-2;
Radiated field IEC 1000-4-3; Fast transients IEC 1000-4-4;
Magnetic field at 50/60Hz IEC 1000-4-8
-  Double insulated

Note: Reference conditions:
 23°C ± 5°K, 20 to 75% RH, external magnetic field <40A/m, no DC component,
 no external current carrying conductor, test sample centered, 10Ω load.

ORDERING INFORMATION

Item:
AC Current Transducer CT-353 (500A AC)

Cat#:
35-0049

