Product Specifications

PROVEN DATA LOGGING SOLUTIONS



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

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

48 to 1000Hz (error: add 2% to the ref.) Frequency Range:

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

-5° to 122°F (-15° to 50°C) **Operating Temperature:** 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:

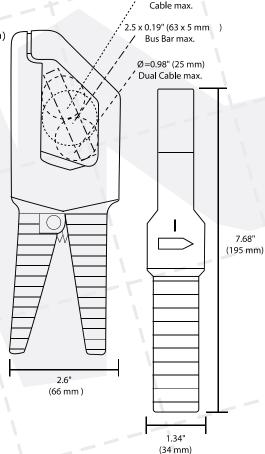
23°C ± 5°K, 20 to 75% RH, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered, 10Ω load.

ORDERING INFORMATION

Item:

AC Current Transducer CT-353 (500A AC)

Cat#: 35-0049



Ø=1.18" (30 mm)

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