GENERAL

The CP-5CE-ID is a split core CT meant for operation with the Megger Power Quality Line of Instruments. This current clamp will measure AC current up to 5Aac. This CT is a passive CT that does not require a power source.

SAFETY and SYMBOLS

WEEE
The crossed out wheeled bin placed on Megger products is a reminder not to dispose of the product at the end of its life with general waste. Megger is registered in the UK as a Producer of Electrical and Electronic Equipment. The Registration No is WEE/DJ2235XR.

Equipment complies with current EU directives.

Application around or removal from hazardous live conductors is permitted.

Equipment protected throughout by double insulation.

CAUTION is defined as a condition or practice which could result in damage to or destruction of the equipment or apparatus under test.

WARNING is defined as a condition or practice which could result in personal injury or loss of life.

Safety warnings are precautions that must be read and understood before the instrument is used. They must be observed during use.

SPECIFICATIONS

Working Voltage: 600Vrms

Current Range

0.1 to 10A

Scale

200mV / Amp

Bandwidth:

40 to 3KHz

Accuracy:

≤ 1% of reading +/- 5mV

Phase Shift

1 to 5A - 1°

5 to 10A – 1.5°

Limit Operating Conditions

20A permanently to 1KHz

Power Source

NA

Jaw Opening

0.78" ID (19.8mm)

Dimensions

5.47x2.0x1.18"

(139x51x30mm)

Weight

6.5oz (180g)

Operating Temperature

-10 – 55C

Storage Temperature

-40 – 70C

Humidity

10-35C 85% NC

IEC61010-2-032
EN50081-1 Class B
EN50082-2
Electrostatic Discharge IEC 61000-4-2
Radiated Field IEC61000-4-3
Fast Transient IEC61000-4-4
Magnetic Field at 50/60Hz IEC61000-4-8
600V CAT III, Pollution Category 2
*Reference conditions: 20°C to 26°C, 20 to 75% RH, external magnetic field <40 A/m, 48 to 65 Hz sine wave, distortion factor less than 1%, no DC component, no external current carrying conductor, test sample centered. Load impedance > 1MΩ.
OPERATING INSTRUCTIONS

Installation

⚠️ Personal protective equipment (PPE) must be used during the installation and removal of this instrument.

1. Connect the CT to Megger PQ device.

2. Use the lever to open the jaw and place the CT around the source to be measured.

**NOTE:** If using this CT with a PA-9 series power quality analyzer the PA-9 current full scale value MUST be set to 5.

Removal

1. Use the lever to open the jaw and remove the CT from the source being measured.

2. Disconnect the CT from PQ Analyzer

MAINTENANCE

⚠️ Have maintenance performed only by qualified service personnel.

Battery Replacement

NA

Cleaning and Decontamination

To ensure optimum performance, it is important to keep the probe jaw mating surfaces clean at all times. Failure to do so may result in error in readings.

To clean the probe jaws, use very fine sand paper (fine 600) to avoid scratching the jaw, then gently clean with a soft oiled cloth.

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