

# MCCV-1KDC-B5

# Megger <sup>R</sup>

## GENERAL

The MCCV-1KDC-B5 is a 1000 A AC/DC current clamp designed to be operated with the Megger BITE5. This current clamp will measure DC float current, DC discharge current, and AC ripple current. This CT is powered by a 9 V DC battery.

## 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.

Do not leave the instrument connected to the system under test when not in use.

Always use extreme caution when connecting the instrument around bare conductors, under fault conditions, high voltage or currents may be present and may pose a shock hazard.

Personal protective equipment (PPE) must be used during the installation and removal of this instrument from hazardous live connectors.

Do not touch circuit connections or any metal that is exposed due to damaged insulation.

Do not use the instrument or connect it to any external system if it shows any visible signs of damage, malfunction or if it has been stored in unfavorable conditions.

Always inspect the instrument prior to use.

Replace any defective parts or return the instrument to an authorised centre for repair.

Do not use the instrument or connect it to any external system if the enclosure is open or any parts of the enclosure are missing.

The instrument must shall not be used if any parts are damaged.

This instrument is not intrinsically safe and must not be used in hazardous atmospheres.

If this equipment is used in the manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## SPECIFICATIONS

<b>Max voltage:</b>	600 V AC/DC
<b>Current range:</b>	0–1000 A AC/DC
<b>Scaling:</b>	1.0 mV/Amp
<b>Bandwidth:</b>	DC to 10 kHz
<b>Accuracy 10 to 100 A:</b>	± 2 % of reading ± 5 mV
<b>Accuracy 100 to 500 A:</b>	± 2 % of reading
<b>Accuracy 500 to 1000 A:</b>	± 1 % of reading
<b>Phase shift 10 to 100 A:</b>	Not specified
<b>Phase shift 100 to 1000 A:</b>	<1%
<b>Power source:</b>	9 V alkaline battery
<b>ID:</b>	2 inches (52.0 mm)
<b>Zero adjust:</b>	Via thumbwheel
<b>Weight :</b>	1.1 lb (0.5 kg)
<b>Operating temperature:</b>	0 – 50 °C
<b>Storage temperature:</b>	-20 – 85 °C
<b>Humidity:</b>	15 – 85% NC
<b>Altitude:</b>	2000 meters

# MCCV-1KDC-B5



## COMPLIANCE

IEC61010-1: 2010  
 IEC61010-2-032: 2012  
 IEC61010-2-031: 2008  
 Category III at 600V, Pollution Degree 2

## OPERATING CONTROLS

**Power ON:** Turn on the CT using the power on switch. An LED will illuminate when the CT is powered on.



## OPERATING INSTRUCTIONS

### Installation



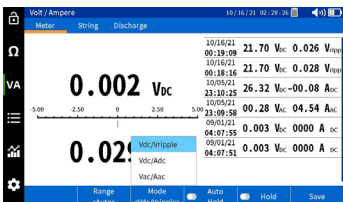
Personal protective equipment (PPE) must be used during the installation and removal of this instrument.

1. Connect the CT to the BITE5 via the mini plug.

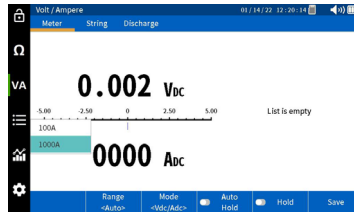


Measuring DC float current or AC ripple current

2. Select VA on the BITE5 touchscreen.
3. Select the type of measurement V DC/ADC for float current. V AC/A AC for AC ripple.



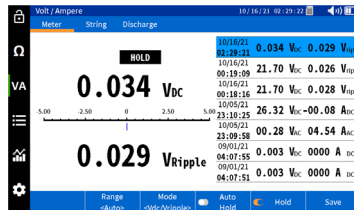
4. Select the 1000 A range.



5. Place the CT around any portion of the battery string.



6. Press HOLD then the SAVE button to save the value to the BITE5.



## Removal

1. Remove the CT from the battery string.
2. Disconnect the CT from the BITE5 instrument.
3. Turn off CT power switch.

## MAINTENANCE



Have maintenance performed only by qualified service personnel.

## Cleaning and Decontamination

Do not clean with anything more than a clean dry cloth.

## Battery Replacement

1. Verify the CT is powered off.
2. Remove battery door, by pushing in on circle and sliding door.



3. Replace battery with 9 V DCdc Alkaline cell. Align negative to post without ring.



4. Replace battery case.

Megger Valley Forge, 400 Opportunity Way, Phoenixville, PA 19460, USA

T +1 610 676 8500 F +1 610 676 8610 E VFCustomerSupport@megger.com