motionics
Motionics, LLC
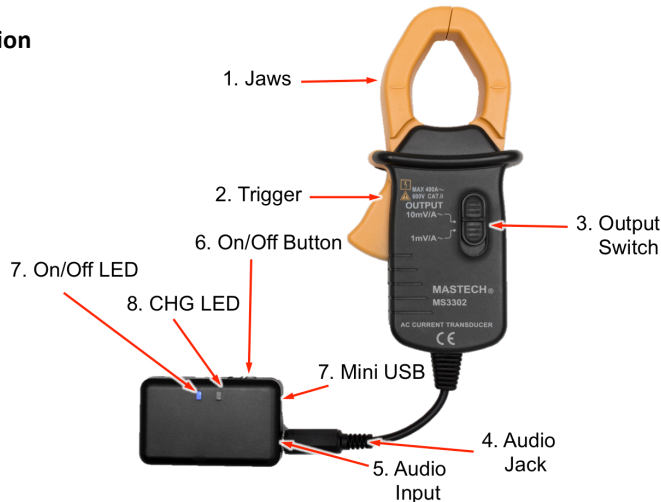
Wireless Current Measurement

WiClamp User Guide

Important Notes

- This device must not be used on uninsulated conductors at a voltage greater than 250V AC RMS or 250V DC.
- If the instrument is used near noise generating equipment, be aware that output voltage may become unstable or get more errors.
- Turn off the device after use. It will NOT turn off automatically.
- Do NOT open the device. Opening causes permanent damage and avoids the warranty.

Description

- **1: Transformer Jaws** – designed to pick up the AC current following through the conductor
- **2: Trigger** – press the lever to open the transformer jaws
- **3: Output Switch** – switch to select output voltage levels
- **4: Audio Jack** – designed to transfer signal to WiClamp base
- **5: Audio Input** – receives signal from clamp transducer
- **6: On/Off Button** – slide to turn WiClamp base on/off
- **7: USB Mini Port** – connect to cable to recharge WiClamp
- **8: On/Off LED** – turns blue when WiClamp is on
- **9: CHG LED** – turns red when WiClamp is in charge, turns off once WiClamp is fully charged

Specifications

- Current Range: 1-115A RMS (10mV/A), 1-400A RMS (1mV/A)
- Resolution: 0.3A (10mV/A), 3A (1mV/A)
- Working Voltage: 600V CAT II
- Wireless Working Range: up to 10m
- Operating Temperature: 0-50ºC
- Charging: 5V DC USB

Included In The Package

- Clamp AC Current Transducer
- WiClamp Wireless Current Measurement Base
- USB Charging Cable
- USB Power Adaptor
- User Guide

Download the App (From App Store)

- Download the App from App Store. Search for "BlueClamp"

Quick Start

- Turn on your WiClamp and connects to clamp transducer through audio jack.
- Hook the transformer jaws to the testing power line.
- Run the **BlueClamp** App.
- In the measurement page, tap **+** on the top right corner to start scanning available WiClamp devices.
- In the table of discovered devices, select 1 to 3 WiClamp(s) and tap **Connect** button to pair with WiClamp(s).
- Once paired, data table and data plot appear in the measurement page.
- To disconnect a WiClamp, tap **Unpair** button next to its name.

Calibration

- Pair WiClamp base with iPad.
- Tap **Gear Icon** below data table of this WiClamp to open setting page.
- Hook the clamp transducer to a power line with known current value.
- Enter current value in the text field and tap **Tap Here** button.
- Tap **Save** button to save and close setting page.