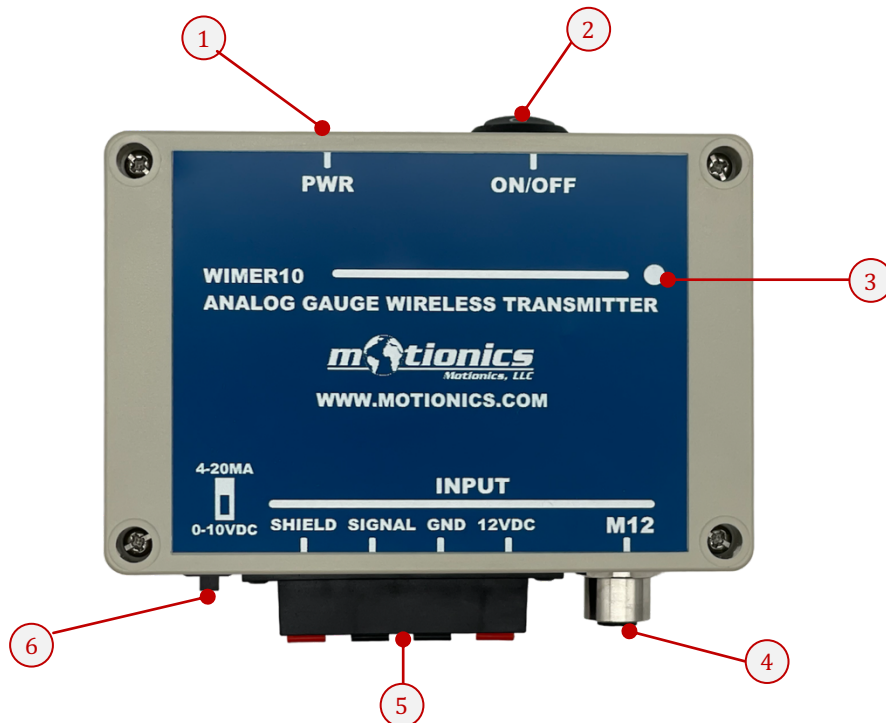# Motionics WiMER10
User Guide

Description
WiMER10 is a universal transmitter for reading analog signal from a sensor with either 0-10 VDC output or 4-20 mA output. WiMER10 ensures accurate results with a 16-bit high-precision ADC and offers convenient wireless data collection via Bluetooth Low Energy.
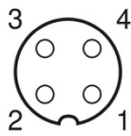
Included in the Package
- WiMER10 Transmitter 1x
- USB C Power Cable 1x
- USB Power Adapter 1x

Hardware Description
1. **Power Port**—connect to USB C cable to charge battery
2. **On/Off Switch** —turn the device on/off
3. **Status LED**
   - 🔵 Device is on
   - 🔴 Device is charging
   - 🟢 Device is fully charged
4. **M12 Connector**—connect to analog sensor

1. 12V
2. NC
3. GND
4. Signal

5. **Terminal Connector**—connect to analog sensor
6. **Sensor Switch**—slide to select 4-20mA or 0-10V sensor input

Software
- iOS: MultiGage Reader (download from the App Store)
- Android: MultiGage Reader (download from the Play Store)
- Windows: MultiGage Reader (BLE dongle required, download from www.motionics.com Go to Resources > Download > Software)

Quick Start
1. Connect an analog sensor to either M12 connector or terminal connector.
   - 4-20mA two wire type:
        12V (WiMER10) — + (Sensor)
        Signal (WiMER10) — - (Sensor)
   - 4-20mA three wire type:
        12V (WiMER10) — + (Sensor)
        Signal (WiMER10) — Signal (Sensor)
        GND (WiMER10) — - (Sensor)
   - 0-10V type:
        12V (WiMER10) — + (Sensor)
        Signal (WiMER10) — Signal (Sensor)
        GND (WiMER10) — - (Sensor)

2. Select sensor input type according using the sensor switch.
3. Turn on the device.
4. Install and run MultiGage Reader.
5. Plug in USB Bluetooth dongle if using Windows PC.
6. In the main page, tap the Scan/+ button to bring up a new pairing page.
7. Wait for the software to finish scanning nearby devices, then select WiMERXXXX to connect.
8. After device is connected, tap device name on the panel to open device setting page. Select corresponding sensor type, enter measurement range and unit, press Save. These settings are persistently saved on WiMER10 and there is no need to change them unless a new sensor is being used.
9. WiMER10 reading will be displayed in the software.

Important Notes
- Turn off the device after use. It will **NOT** turn off automatically.
- Do **NOT** open the device. Opening causes permanent damage and voids the warranty.