

# (((ECHOMETER)))

## Wireless Base User Guide

This manual pertains to the Echometer Wireless Base WB100. Associated FCC and IC identification numbers are provided in Table 1, with label image and location images in Table 2.

Model	FCCID	IC ID
Wireless Base Model WB100	Q5Q-WB100	10048A-WB100

Table 1

FCC/IC Label Design/Location	FCC/IC Label Location
<p>Diagram of the FCC/IC label design. The label is rectangular with a height of 1.905 and a width of 3.200. It features the Echometer logo, model number, company name, and regulatory text. A radius of R.100 is indicated at the top right corner. A thickness of .025 is shown for the label material.</p>	<p>Diagram showing the label location on the bottom of the product enclosure. The enclosure is shown from a top-down perspective with a grey rectangle indicating the label's position.</p>
<p>Photograph of the Echometer Wireless Base WB100 enclosure. A red arrow points to the bottom surface where the label is located.</p>	<p>Close-up photograph of the bottom surface of the enclosure, showing the location of the label.</p>

Table 2: Label shown will be placed on the bottom of the product enclosure

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The **Wireless Base WB100** is a component of the **Echometer Well Analyzer** and designed to be used with **Echometer Wireless Sensors**, (**WRFG, WPRT, WPP, WPT, WHT, WHT50K, and WGDA**), providing a wireless option for obtaining data, (such as dynamometer, power and pressure/temperature). The data is analyzed by the Echometer TAM software and utilized to provide analysis of well performance. Please refer to the **Echometer TAM User Manual** for instruction specific to software operation and to **Echometer Wireless Sensor User Guide** for instructions specific to those devices.



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- **WARNING:** *Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*
- **NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at the user's expense.
- This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the antenna and your body.
- This Class A digital apparatus complies with Canadian ICES-003. (Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada)
- This device has been designed to operate with the antennas listed below. The specific models listed or substitutes as specified below may be used.
  - Pulse W1030
  - Linx Tech ANT-2.4-CW-RAH-RPS: 2.4GHz
  - Substitutes may be used, as long as they meet the 2.4GHz, 50Ω, ≤2dBi gain, RPSMA Male requirements.

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### Wireless Base WB100 Installation:

1. Connect antennae to the WB100 as shown:



2. A backup battery (+5-15VDC ) may be connected to the WB100 using the power connector shown:



3. Connect the supplied USB cable between the **Echometer Computer** and the WB100 USB port.



4. Proceed with setup using the **Echometer TAM Software User Manual**.