Wireless Data Transmit System
WL01 series

Ideal for receiving data from a remote location.
Ensures accurate data transmission/reception by reception detection and preventing interference functions.
Enables to use your own equipment by publishing communication formats.

USB Wireless Receiver: WL01-USB
Wireless Transmit Adapter: WL01-ADP

Setting image

Wireless Transmit BOX: WL01-BOX

Setting image

*Set the Wireless Transmit BOX with the supplied hook-and-loop fastener.

Testing image		
Measure samples	Transmit measument data	The transmit result shows on the display
		 Data transmission succeed  Data transmission failed

*These image are for illustration purposes.

Features	
1. Accurate Data Transmission/Reception Support accurate data transmission by reception detection and retransmission function on measurement instrument. *1	2. Data Interference and Leakage Prevention Communication only valid between Instruments with the same set Group and Channel. Interferences from other devices, data loss, and leakages can be prevented.
3. High Security Data Protection Protect data leak with AES Data encryption.	4. Incorporation into customer equipment Enables to incorporate into customer equipment by publishing communication formats.
5. Various types of data management Single USB Wireless Unit can receive data of up to 26 pcs measurement instruments, transmitted with the attached Wireless Adapter.	

*1 Communication may not be possible depending on using environment. If data transmission fails, [No response from PC] will show on the display. Press the button to retransmit the data.

[Precautions for Use]

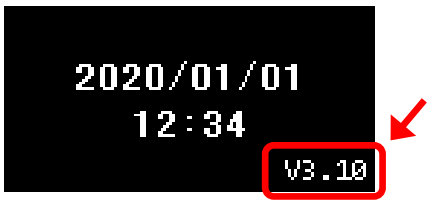
Available only for firmware Ver3.10 or later of measurement instrument

Applicable to the Firmware Versions.3.10 or later.
For other versions, see below *1

Ver3.04~3.06
Firmware update is required.

Ver3.03 or earlier
Replacement PCB and calibration are required.

How to check the firmware version
After Power ON, the Firmware Version shows at the right bottom of the display. *2



*1 If you wish to update the program or replace the board in Japan, please fill the application form and send it to us.
The application form can be downloaded from our website.
Contact your local distributor if you are not in Japan.
*2 Firmware before Ver.3.03 doesn't show the firmware version after power ON.
Contact us or our distributor in your country for the version confirmation support.

Available countries and regions are limited

The laws and regulations of radio equipment that emits radio waves are different among countries.
These products are able to use in Japan, China and EU currently. Please inquire for the use in the other countries.

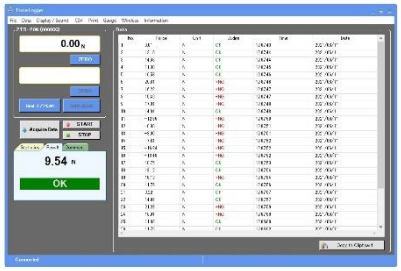
[Application Examples]

Food measurement (Measurement where PCs cannot be brought in)	Outdoor measurement
Ideal for sending data to remote PC where PC cannot be set such as near water.	This is useful when there is an object to be measured outdoors or where wired data management is difficult.
Measurement in an isolated environment	Multiple measurements
Suitable for measurement in a space isolated by glass or in a car, etc.	One PC can receive data from multiple measurement instruments at the same time.

Specifications			
Name	Wireless Transmit Adapter	USB Wireless Receiver	Wireless Transmit BOX
Image			
Model	WL01-ADP	WL01-USB	WL01-BOX
Feature	Transfers and receives the transmitted Data *1	Receive transmitted data from adapter	Enables to transmit measurement data with wireless communication and to use I/O signals. *2
Compatible Force-Gauge Models *3	ZTA/ZTS (Sensors: Separated Models Included), eZT, DTXA/S, HTGA/S, FA Plus2, eFA Plus2		
Compatible Software *4	Force Logger (Attachment from the Versions 2.10 and later) Force Logger Plus (Sold Separately for Versions 1.10 and later)		
Communication Distance *5	Approx. 20m *Depending on the environmental conditions		
Wireless Communication Standard / Frequency	In Compliance with IEEE802.15.4 World Common Frequency: 2.4GHz In Compliance with CE: Radio Equipment Directive[2014/53/EU] In Compliance with Japanese Technical Standard: ARIB STD-T66 *Inquire us for use in other available areas.		
Weight	Approx. 30g	Approx. 15g	Approx. 330g
Dimensions	See [Dimensions]		

*1 External input / output signals of the measurement instrument cannot be used together.
*2 Optional cable is required separately to use external input / output signals together.
*3 All compatible models are available from firmware from Ver.3.10 and later.
*4 Maximum connected number of IMADA software Force Logger: 1 unit / Force Logger Plus: 4 unit.
In the case of using Wireless Data Transmit System with IMADA software, some restrictions are on software function. Please contact us for the details. E.g. Acquire continuous data
*5 The communication distance may vary depending on the obstacles and environmental conditions.

[Included Accessories]

Force Logger (Ver2.10 or later)	
	**Features** - Data transfer to PC at 10Hz with ease.*1 - Displaying various measuring data such as Maximum, Minimum, and Average values - Data recording in CSV format. - Setup function of the force gauge's setting.
	Operating environment - OS: 7/8/8.1/10 (32/64bit version is available) - Hardware : CPU Pentium4(1GHz or more), Memory 2GB, Hard disk : 10GB or more recommend -Plat form: .NET Framework4.6 or later -Execute environment : Internet Explorer 6.0, Windows Installer 3.1 or later -Connection port : USB1.1, USB2.0 connector

*1 The output from the wireless unit is four times per second.

[Related Products]

Optional cable	Force Logger Plus（Ver1.10 以降）
Analog (3m): CB-108	 -You can connect Max. 4 pcs of force gauges and receive data from them. -Each data individually shows test date & time, one in charge, by a serial No. of a force gauge. -You can save data in CSV format. * Please ask us for the detail of the software
Contact point cable (3m): CB-808	
Open end cable (3m): CB-908	
Cable with terminal block(1m)：CTB-A	

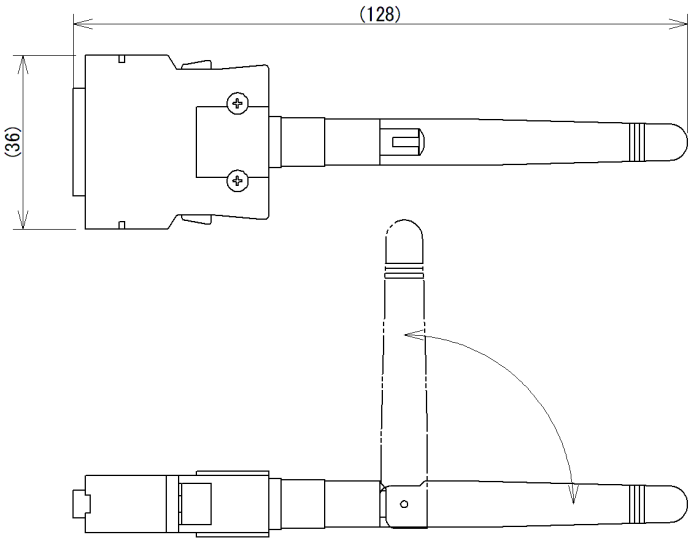
* RS232C cable (CB-208) and Digimatic cable (CB-308) cannot be used together with a Wireless Data Transmit System.
* The optional cable can be connected to only the Wireless Transmit BOX.

[Example of cable combination when using Wireless Transmit BOX]

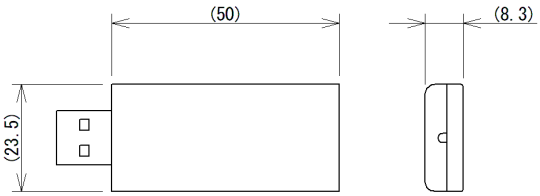
Force Control		Displacement Measurement		Connect to External Device	
In the case of using force control such as stopping at the set force value or keeping set force value.		In the case of analyzing force-displacement relation.		In the case of linking with external device such as the example below.	
Test Stand	Cable	Test Stand	Cable	Equipment	Cable
MX series MH-1000N	CB-508	MX2 series MH2 series	CB-718	Sequencer Signal Tower Light Foot switch etc.	CB-908 CTB-A
MX2 series MH2 series EMX-1000N	CB-528	EMX-1000N	CB-728		

[Dimensions]

WL01-ADP

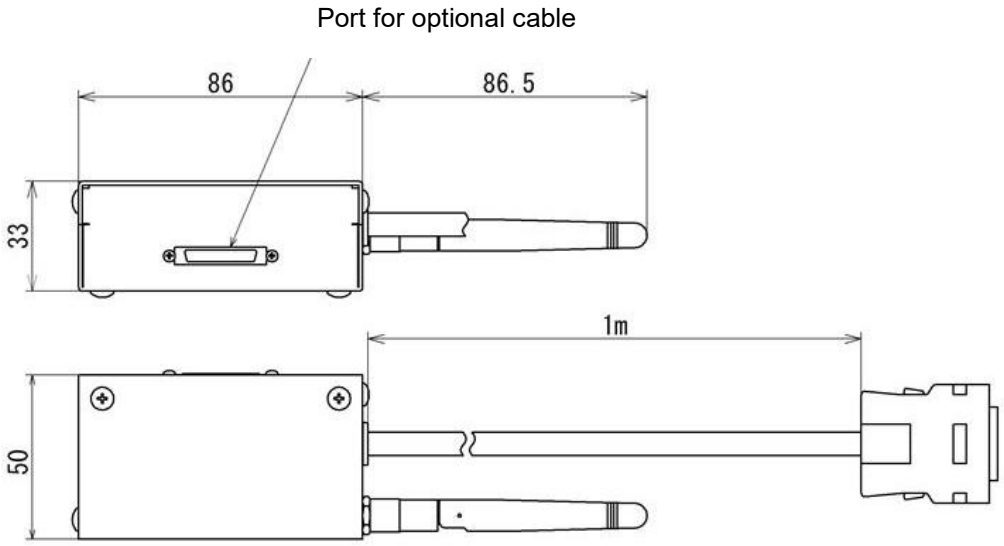


WL01-USB



Unit: mm

WL01-BOX



Unit: mm

[Cautions]
- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- Do not use this product in the environments including fierce temperature changes, high temperature, high humidity, near water, dusty place.

SHRADDHA IMPEX
Authorized Distributor

Email: shraddhaimpex@gmail.com / sales@shraddhaimpex.net
Web: www.shraddhaimpex.net
Contact: +918356968200/ +919819530352/ +918591279918