

**SPECIFICATIONS**

	M-1140X	M-1140XR	M-1140 (No Bluetooth function)
Measuring range	AC: 30 mA / 300 mA / 3 A / 30 A / 300 A / Auto-range		
CT inner diameter	φ 40 mm		
Communication	Bluetooth 4.2, Communicatable range: up to 10 m (indoor, line-of-sight)		-
True RMS detection	-	○	-
Filter function	High frequencies higher than approximately 150 Hz will be cut.		
MAX Hold function	The maximum displayed value will be held.		
Other functions	Over-range indication, Low battery indication, Auto-power-off, Data hold, Backlight		
Sampling rate	Approx. 2 times / sec.		
Overvoltage category	CAT III 1000 V / CAT IV 600 V		
Conformable standards	EN61326, EN61010, RoHS		
Applicable circuit voltage	Low voltage circuit AC 600 V or less (insulated wire)		
Operating temperature and humidity range	0 °C to 50 °C , 85 %RH or less (without condensation)		
Power source	Battery CR2032x1		
Dimension, Mass	W66 × H205 × D25 mm Approx. 260 g		
Accessories	Battery, Carrying case, Hand strap, Instruction manual		

**PERFORMANCE**

Under the condition of 23 °C ± 5 °C, 80 %RH or less, and 50 / 60 Hz

Range	Resolution	Accuracy
30 mA	0.01 mA	± 1.2 %rdg ± 5 dgt
300 mA	0.1 mA	
3 A	0.001 A	
30 A	0.01 A	0 ~ 200 A : ± 1.2 %rdg ± 5 dgt 200 A ~ 250 A : ± 3.0 %rdg ± 5 dgt 250 A ~ 300 A : - 5.0 %rdg ± 5 dgt
300 A	0.1 A	
300 A	0.1 A	

**How to get the software**

Dedicated free application

"Multi-Tracer"



Supported OS: iOS 10 or later, Android 5.0 or later

**MULTI**

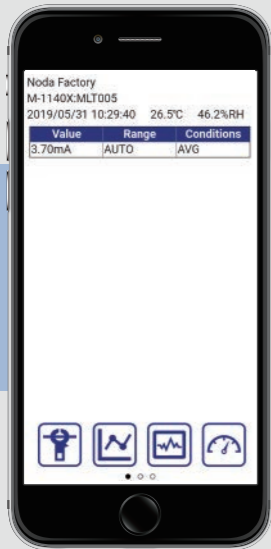
Let's Create  
New Concepts of  
Instruments

Large diameter leakage current clamp tester  
with built-in Bluetooth

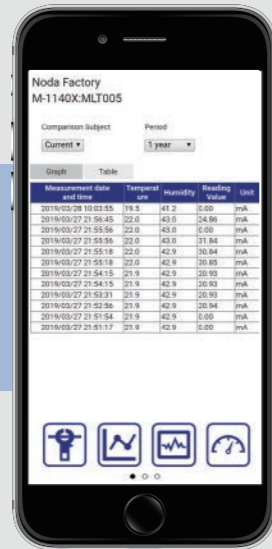
# M-1140 Series

New generation leakage current clamp testers  
which enable waveform display and data utilization  
by Bluetooth connection with smartphones or tablets

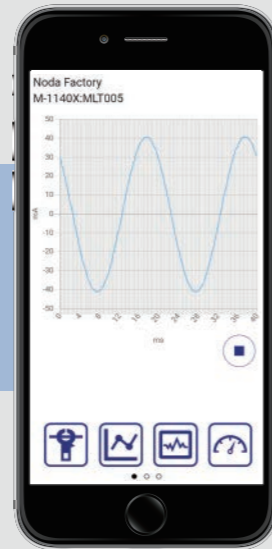
Features of dedicated  
free application  
"Multi-Tracer"



Storage of measured values



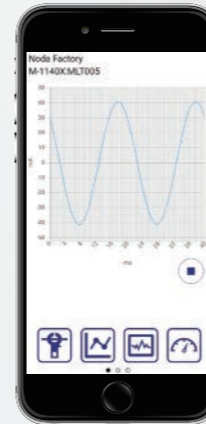
Review of saved data



Display of waveform



Analog meter-like display



Waveform  
display

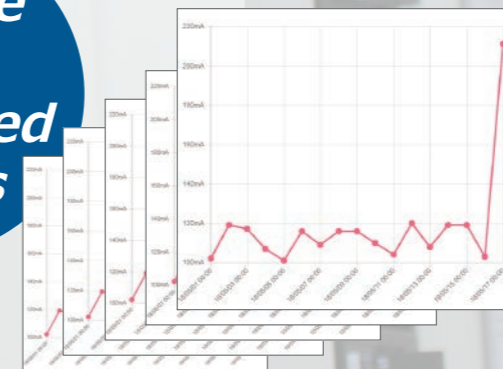


Built-in Bluetooth models

## M-1140X • M-1140XR

\* M-1140 does not feature Bluetooth function.

Storage  
of  
measured  
values



Coming soon

Large diameter leakage current clamp tester  
with built-in Bluetooth

## MCL-800DX

- Bluetooth connection with smartphones or tablets enables waveform display and data utilization.
- Large diameter leakage current clamp tester with φ 74 mm
- Wide range current measurement from 1 mA to 1000 A

\* The photograph shows a product under development.

Measuring range	AC: 20 mA / 200 mA / 2 A / 20 A / 200 A / 1000 A / Auto-range
CT inner diameter	74×80 mm
Resolution capability	0.01 mA
Accuracy	± 2 %rdg ± 5 dgt
Communication	Bluetooth 4.2
Power source	Alkaline batteries 1.5 V (LR03) X 3
Dimensions	W138 × H237 × D46 mm
Mass	Approx. 650 g
Accessories	Batteries, Carrying case, Hand strap, Instruction manual

- Bluetooth and its logo are trademarks or registered trademarks of Bluetooth SIG, Inc.
- Android, Google Play and the Google Play logo are trademarks or registered trademarks of Google Inc.
- iOS is a trademark or registered trademark of Cisco Systems, Inc.
- Apple and the Apple logo are trademarks or registered trademarks of Apple, Inc.

**MULTI**  
Let's Create  
New Concepts of  
Instruments

MULTI MEASURING INSTRUMENTS Co., Ltd.

<http://www.multimic.com/e/>

E-mail : multi@multimic.com

**Head Office:** Akihabara Murai-Bldg.7F, 1-26 Kanda Sakuma-cho Chiyoda-ku, Tokyo 101-0025, Japan .....Phone: +81-3-3251-7016  
**Multi Instruments Dong Guan Limited:** 24 Feng Ning Road, Ren Zhong, Gang Group, Bei Ce Community, Humen Town, Dong Guan City, Guandong, China ..Phone: +86-0769-85559498  
**Multi Measuring Instruments India LLP:** No.26 Mahadimane, 12th Main, 1st Block, Rajajinagar Bangalore, Karnataka, India .....Phone: +91-80-2301-2301

The contents of this leaflet are subject to change without prior notice.

MULTI MEASURING INSTRUMENTS Co., Ltd.

# The built-in Bluetooth brings MAX convenience! It's one of the on-site necessities.

In addition to measuring leakage current and load current with high accuracy, the measured data can be stored on a server by linking with a smartphone or tablet with built-in Bluetooth function. The data can be used for "early detection of equipment failure" and as an "indication for deterioration diagnosis".



φ 40 mm

## One end movable highly durable split core clamp

The instrument employs a one end movable highly durable split core clamp which is not easily bent. Since the CT inner diameter is φ 40 mm, the instrument can be used widely from leakage current measurement to load current measurement.



## Easy-to-read large LCD

The large LCD with 2-stage display shows the measured value also large. Since the LCD has a backlight, it is easy to read in dark places.

## High safety

The instrument employs an elastomeric material that is easy to grip and has excellent impact resistance. Furthermore, the high safety of CAT IV 600 V / CAT III 1000 V is provided.



## POINT 1

### Storage of measured data

In recent days, labor shortages have become serious, and "more efficient work" is required at the maintenance and management site. The M-1140XR / M-1140X can save measured data to a server via a smartphone or tablet, so the function eliminates saving by hand-writing and contributes "working time reduction".

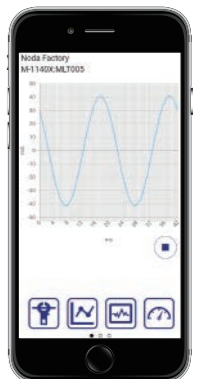
\* Connection to the network is required for data saving.



## POINT 2

### Simple display of current waveform

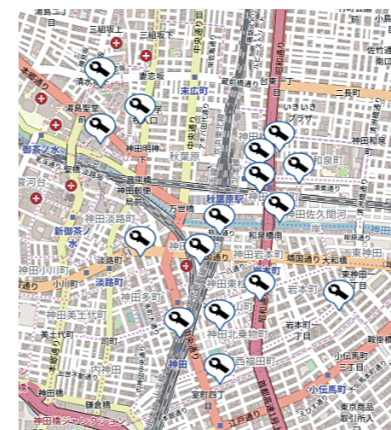
The current waveform can be simply displayed by Bluetooth connection between the instrument and a smartphone / tablet installed the dedicated application. This function enables you to investigate the sources of harmonics and noise, and also compare the waveforms before and after replacing equipment. Since the instrument is more portable than an oscilloscope, it is ideal for simple field investigation.



## Advantage

### Easy management by linkage with map information

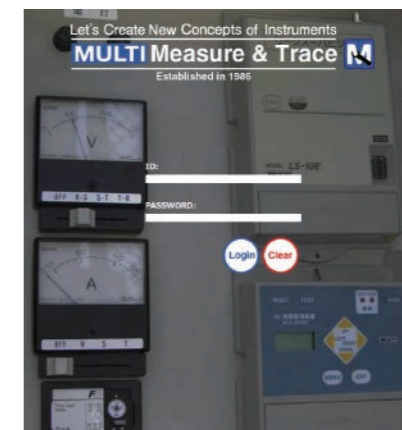
Just select one of the registered measurement points on the map and measure. No complex operation is completely necessary.



## Advantage

### Central management of multiple measuring instruments

The server management site "MULTI Measure & Trace" enables centralized management of our Bluetooth compatible measuring instruments.



## Advantage

### Measured data will be stored on the server.

You can see the data trend in a graphic form.  
 » The data can be used for "early detection of equipment failure" and as an "indication for deterioration diagnosis".  
 You can get CSV files. (Available as an option)  
 » The CSV files can be used widely to make a report etc.

