

SPECIFICATIONS

	(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, Communicable range: up to 10 m (indoor, line-of-sight)	O	-
True RMS detection	-	O	-
Filter function	Band pass filter $f_0 = 55\text{Hz}$ (Automatically starts when the power is turned on)		
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 range	0 °C to 50 °C, 85 %RH or less (without condensation)		
Power source	Battery CR2450x1		
Dimension, Mass	W66 x H205 x D25 mm Approx. 260 g		
Accessories	Battery, Carrying case, Hand strap, Instruction manual		

PERFORMANCE

Under the condition of 23 °C ± 5 °C, 30 %RH or less, and 50 / 60 Hz		
Range	Resolution	Accuracy
30 mA	0.01 mA	
300 mA	0.1 mA	± 1.2 %rdg ± 5 dgt
3 A	0.001 A	
30 A	0.01 A	
		0 ~ 200 A : ± 1.2 %rdg ± 5 dgt
300 A	0.1 A	200 A ~ 250 A : ± 3.0 %rdg ± 5 dgt
		250 A ~ 300 A : ± 5.0 %rdg ± 5 dgt

How to get the software

Dedicated free application
"Multi-Tracer"



Download on the
App Store

Available on
Google play

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



Features of dedicated
free application
"Multi-Tracer"



Storage of measured values

Review of saved data

Display of waveform

Analog meter-like display



Large diameter leakage current clamp tester
with built-in Bluetooth

- 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	74x80 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 x H237 x D46 mm
Mass	Approx. 650 g
Accessories	Batteries, Carrying case, Hand strap, Instruction manual

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MULTI

Let's Create
New Concepts of
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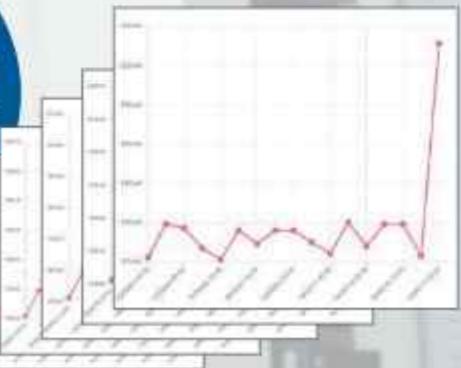
Large diameter leakage current clamp tester
with built-in Bluetooth

Series

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



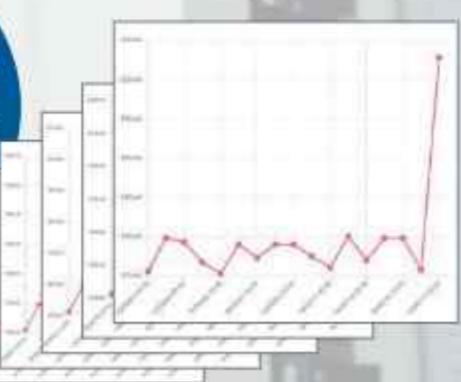
**Waveform
display**



Built-in Bluetooth models

• M-1140 does not feature Bluetooth Function.

**Storage
of
measured
values**



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".



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.



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.



Bluetooth connection

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-1141XR / M-1141X can save measured data to a server via a smartphone or tablet, so the function eliminates saving by handwriting 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.



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.



Central management of multiple measuring instruments

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



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.

