

Hiresta-UX MCP-HT800

High Performance Resistivity Meter

Hiresta-UX

Measuring range $10^3 \sim 10^{14} \Omega$

Extended measuring range of $10^3 \sim 10^{14} \Omega$
Applicable for various types of materials



- Extensive measurement range of $10^3 \sim 10^{14} \Omega$
- 29 steps of voltage apply utilizing Auto Sweep Function
- Built-in Switch Box
- Compatible with all Hiresta UP probes

ASTM D257 Compatible

Standard Package



● URS Probe
MCP-HTP14 (RMH214)



● URS Probe checker
MCP-TRURS (RMH327)



● Protection gloves
MCP-GV (RMJ803)

Hiresta-UX

(MCP-HT800)

For high accuracy measurements of both surface and volume resistivity in high resistivity range.

MCP Probe specially designed for measurement of various materials

- Single action to measure $[\Omega]$, $[\Omega/\square]$ and $[\Omega \cdot \text{cm}]$
- Easy operation for RCF selection, measurement, data storage and data output

- By connecting to a unique measurement table "Resitable" (optional), volume resistivity can be measured.



Uses

Applications

Features

Production Engineering ■ Quality Control ■ R&D

- Antistatic materials, flooring materials, paper, packing materials, paint, fiber, concrete, ceramics, plastics, films, etc.
- Measures conductive materials and anti-static materials at the extensive measuring range of $10^3 \sim 10^{14} \Omega$.
- 29 steps of applied voltage with Auto Sweep Function enables measuring voltage dependence of resistance value.
- With the new Built-in Switch Box, volume resistivity can be measured just by connecting a "Resitable" (optional) to Hiresta UX.
- Up to 2000 measurement results can be exported to USB memory stick.



● Stable measurement with Probe Fixer (optional)



● Validate probe functionality with Probe Checker



● Foot Switch (optional) enables remote start

Specifications

Method of Measurement	Constant-voltage Apply/Leak-current
Range Switching	Automatic, Manual
Display	640 × 480, 7.5 inch full-color TFT LCD touch panel
Comparator	Maximum and Minimum values can be set manually
Probe	MCP probe (URS, UR, UR-SS, UR-100, UA, J-Box X-Type)
Data Output	USB memory
Input Power	AC85 ~ 264V 47 ~ 63Hz
Dimensions & Weight	W330 × D270 × H113mm (Lid opened: W330 × D270 × H215mm) 2.4kg
Standard Package	URS Probe: RMH214 Probe checker: RMH327 Protection gloves: RMJ803

*Power cable not included.

Measurement Range and Trueness

1 ~ 10V	$10^3 \sim 10^9 [\Omega]: \pm 2\%$	$10^{10} [\Omega]: \pm 3\%$			
20 ~ 400V	$10^6 \sim 10^{10} [\Omega]: \pm 2\%$	$10^{11} [\Omega]: \pm 3\%$			
500 ~ 900V	$10^7 \sim 10^{10} [\Omega]: \pm 2\%$	$10^{11} [\Omega]: \pm 3\%$	$10^{12} [\Omega]: \pm 4\%$		
1000V	$10^8 \sim 10^{10} [\Omega]: \pm 2\%$	$10^{11} [\Omega]: \pm 3\%$	$10^{12} [\Omega]: \pm 4\%$	$10^{13} [\Omega]: \pm 5\%$	$10^{14} [\Omega]: \pm 12\%$

Options

Ring Probes

●UR



40mm diameter
MCP-HTP12 (RMH212)

●UR-SS



10mm diameter
MCP-HTP15 (RMH215)

●UR-100



For up to $10^{16} \Omega/\square$
MCP-HTP16 (RMH216)

2-Pin Probe

●UA

For long samples
Inter-pin distance
20mm.
Pin point $\phi 2 \times 2$,
Spring pressure
240g/pin



MCP-HTP11 (RMH211)
*Only for surface resistivity measurement

URS Probe Fixer

●Probe Fixer for URS probe



MCP-URSJG (RMJ360)

Compatible with JIS K 6911

●J-Box X-Type

For measurement according to JIS K 6911
MCP-JBO4 (RMJ351)



- Probe checkers are available for each probe (500M Ω)

*This product has a maximum voltage of 1,000V, take care to avoid electric shock.

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