

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)

Nittoseiko Analytech

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 $[\Omega/\text{cm}]$
- 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 ~ 10 ⁹ [Ω]: ±2%	10 ¹⁰ [Ω]: ±3%			
20 ~ 400V	10 ⁶ ~ 10 ¹⁰ [Ω]: ±2%	10 ¹¹ [Ω]: ±3%			
500 ~ 900V	10 ⁷ ~ 10 ¹⁰ [Ω]: ±2%	10 ¹¹ [Ω]: ±3%	10 ¹² [Ω]: ±4%		
1000V	10 ⁸ ~ 10 ¹⁰ [Ω]: ±2%	10 ¹¹ [Ω]: ±3%	10 ¹² [Ω]: ±4%	10 ¹³ [Ω]: ±5%	10 ¹⁴ [Ω]: ±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)

● Probe checkers are available for each probe (500MΩ)

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)



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

Nittoseiko Analytech

Instru

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