

고유/표면/체적 저항측정기

HIRESTA-UP




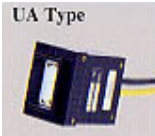


표면 고저항측정기(측정범위 $10^4 - 10^{13} \Omega$)

Hiresta-UP <MCP-HT450>

지능형의 고정밀 저항계로 측정 범위 내에서 샘플의 다양한 형태를 빠르고 정밀한 측정을 수행한다.



Optional Probes

Ring Probes			2-Pin Probes	For measurement conforms	
 UR Type	 UR-SS Type	 UR-100 Type	 UA Type	 U-type J-Box	
A somewhat large probe. MCP-HTP12	For minute samples MCP-HTP15	Able to measure up to $10^{15} \Omega/\text{sq}$ MCP-HTP16	For long, thin sample. Inter pin distance 20.0mm, pin point $\phi 2$, spring pressure 240g/pin. MCP-HTP11	For measurement that conforms with JIS K 6911. MCP-JB03	

HIRESTA-EP <MCP-HT450>

Hiresta-UP

용도

기술부, 품질관리부, R&D

적용

정전기방지물질, 바닥재, 종이, 포장재, 페인트, 섬유질, 콘크리트, 세라믹 플라스틱, 필름등등

특징

Hiresta-UP 언제 어디서나 고저항 범위내 표면저항과 체적저항을 정밀하게 측정할 수 있다. 공급 전압은 1000V까지 증가되며, 측정범위를 확장할 수 있다. 5.7 인치 LCD 모니터로 쉬게 작동을 할 수 있다. RS-232 를 통하여 PC에서 원거리 작동을 할 수 있다. MCP 프로브는 원터치로 작동, [Ω],[Ω/sq], 및 [Ωcm]를 바로 읽을 수 있다. 샘플의 크기와 모양에 대한 제한이 없다. 프로브의 선택에 따라 저항계수를 자동적으로 설정한다. 1000개의 데이터 저장 메모리를 가지고 있다.

사양

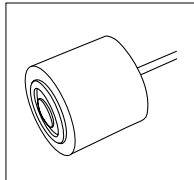
Method of Measurement	Constant-voltage supplied method
Measurement range and trueness	10 ⁴ ~10 ⁹ [Ohm] :±2% 10 ¹⁰ [Ohm] :±3% Supplied voltage10V 10 ⁶ ~10 ¹⁰ [Ohm] :±2% 10 ¹¹ [Ohm] :±3% Supplied voltage100V/250V 10 ⁷ ~10 ¹⁰ [Ohm] :±2% 10 ¹¹ [Ohm] :±3% 10 ¹² [Ohm]:±4% Supplied voltage 500V 10 ⁸ ~10 ¹⁰ [Ohm] :±2% 10 ¹¹ [Ohm] :±3% 10 ¹² [Ohm]:±4% 10 ¹³ [Ohm] :±5% Supplied voltage 1,000V
Display	5.7inch LCD,320×240 dot
Power source	AC85V~264V 47~63Hz 92VA
Comparator	max and min can be set manually.
Memory back up	Approximately 3 years (uses lithium battery)
Probe	MCP probe (URS,UR,UR-SS,UR-100,UA),U-type J-Box
Data output	RS232C
Dimensions, Weight	W330×D270×H88 mm, 3.4kg
Standard accessories	URS probe : MCP-HTP14 (ring probe) Probe checker : MCP-TRURS (500 MOhm, for URS probe)

[9] Products Lineup for Hiresta-UP

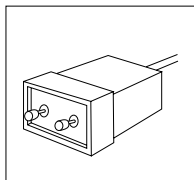
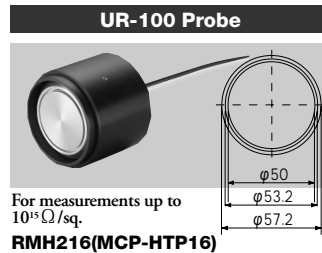
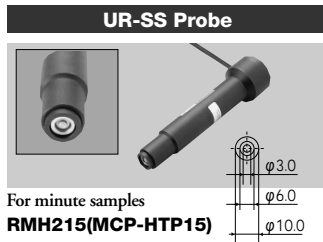
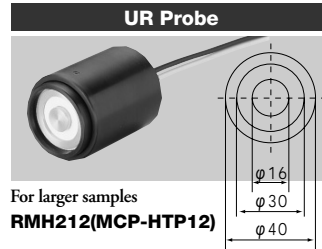
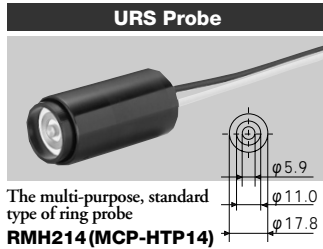
~For speedy measurement of various sample shapes in a wide measuring range ~

MCP Probes

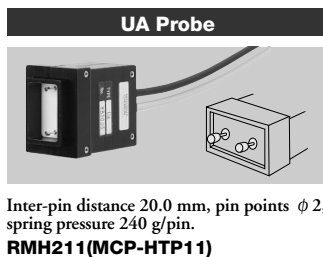
Unrestricted as to sample size and shape, these probes provide highly reproducible results in the high resistivity range.



Ring type



2-pin Probe
W40 x L30 x H42 mm



Probe Checkers

For inspecting the main body and MCP probes



Inspect with a probe checker before measurement.



High Resistivity Meters

(Measuring range $10^4 \sim 10^{13} \Omega$)

The multi-purpose high resistivity meter is able to accommodate a wide range of measuring method, both ASTM and non-ASTM.



Hiresta UP

This high-precision instrument systematically measures surface resistivity and volume resistivity in the high resistivity. For R&D, production engineering, quality control.
RMH011B[120V]
RMH011C[220/240V]
(MCP-HT450)

Out put

Makes it easy to obtain the results

Convenient, portable printer

Exclusive Printer
RMJ303 (MCP-PR02)

Roll Paper
RMJ307(MCP-PR021)

Data output and controlled by PC

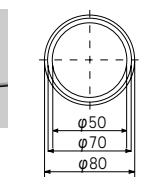
RS232C Cable
RMJ316 (MCP-RSK/V)
[9-25pin]

PC

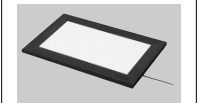
Conforming to ASTM D 257



U type J Box
W160 x D150 x H92 mm
RMJ350(MCP-JB03)



One-touch switching between measurement for ρ_s and ρ_v
U type Switch Box
W130 x D70 x H35 mm
RMJ352 (MCP-SWB02)



A stage for measuring without interference from noise.
Resistable UFL
 ρ_s is measured on a teflon surface, ρ_v on a metal surface.
W300 x D200 x H10 mm
RMJ354 (MCP-ST03)

For ρ_v measurement

By standard set only ρ_s can be measured, for ρ_v measurement this option is needed.

Foot Switch



Standard accessory for U type Switch Box
RMJ801(MCP-FS01)