

*Loresta-AX* MCP-T370

Portable Resistivity Meter with Universal Design.

# *Loresta-AX*

Mesuring range  $10^{-2} \sim 10^6 \Omega$

**Easy operation. Clear display design.  
Comprehensible low resistivity measuring machine.**



- One touch automatic measurement by using "Auto Hold" function.
- Data output to USB memory stick.
- Easily replaceable battery pack.

#### Standard equipment





# Loresta-AX

(MCP-T370)

- 4 Pin Method Handy type Low Resistivity meter
- One touch operation by using MCP probe

## 4 Terminal 4 Pin Method

- The contact resistance between sample and probe is excluded. Accurate measurement is realized by this method.
- Pin pressure, pin interval and pin diameter are maintained constant by using the MCP probe which adopted the spring contact mechanism.



● Probe should be placed perpendicular to the sample.

### Application

## ■ Process Control ■ Quality Control

### Main Samples

- Conductive Paint, Conductive Ink, Conductive Paste, Conductive Plastic, Conductive Rubber
- Conductive Films, Transparent Conductive Films, ITO Glass, Aluminum Plating Layer, Zinc Flashing, Antistatic Material, EMI Shielding Material, Conductive Fabric, Conductive Ceramic.
- Plated Material, Magnesium Alloy, Zinc Plated Steel Plate.

### Features

- Measurement can be done automatically in "Auto Hold" mode by just pushing the Start key. **NEW**
- The Nickel Hydrogen Battery is adopted to the system. Portable operation is possible. The battery pack can be changed by very easy operation. **NEW**
- Probe Check Mode on the software was adopted. The accuracy of the Loresta-AX main unit and the probe can be checked by using the Probe Checker (not included in the standard set). **NEW**
- Measurement data can be output to USB memory. **NEW**

### Specification

- Method/4 Terminal 4 Pin Method.
- Display / LCD
- Range /  $10^{-2} \sim 10^6 \Omega$
- Range Switching / Automatic (Auto Hold, Auto Range) Manual (Manual Range): Setting by Step Up and Down.
- Power Source / Exclusive AC adapter (AC90 ~ 264V, 47 ~ 63Hz / Nickel Hydrogen Battery)
- Probes / Exclusive MCP probe: ASP, ESP, LSP, PSP, BSP, QPP, TFP, NSCP, AP, BP
- Data Output / USB Memory
- Dimension & Weight / 228(L) X 85(W) X 65(H)mm, ca. 420g
- Standard Set / ASP Probe / MCP-TP03P (4 pin linear type) Pin interval : 5 mm, Pin Top 0.37R, Beryllium / Copper Alloy., Exclusive AC adapter.



● Check the probe by probe checker.

Range [ $\Omega$ ]	$10^{-2}$	$10^{-1}$	$10^0$	$10^1$	$10^2$	$10^3$	$10^4$	$10^5$	$10^6$
Supply Voltage	100mA		10mA		1mA		100 $\mu$ A	10 $\mu$ A	1 $\mu$ A
Accuracy ( $\pm$ % of reading $\pm$ digits)	$\pm 1.0\%$ $\pm 20$ dgt	$\pm 1.0\%$ $\pm 5$ dgt	$\pm 0.5\%$ $\pm 5$ dgt		$\pm 0.5\%$ $\pm 3$ dgt				$\pm 2.0\%$ $\pm 5$ dgt

### Options

4 Pin Probes	<b>ASP</b>  <b>MCP-TP03P (p/n RMH110)</b> Standard, Pin Interval 5mm, Pin Top 0.37R x 4 pins Pushing Pressure 210g/Pin	<b>ESP</b>  <b>MCP-TP08P (p/n RMH114)</b> For non homogeneous samples, Pin Interval 5mm, Pin Top $\Phi 2$ x 4 pins Pushing Pressure 240g/Pin	<b>LSP</b>  <b>MCP-TPLSP (p/n RMH116)</b> For soft surface samples, Pin Interval 5mm, Pin Top Hemisphere $\Phi 2$ x 4 pins Pushing Pressure 130g/Pin	<b>PSP</b>  <b>MCP-TP06P (p/n RMH112)</b> For small samples, Pin Interval 1.5mm, Pin Top 0.26R x 4 pins Pushing Pressure 70g/Pin	<b>BSP</b>  <b>MCP-TP05P (p/n RMH111)</b> Resistance by 2 parts: Each part has 2 pins, Pin interval 2.5mm, Pin top 0.37R x 4 pins Pushing pressure 210g/Pin	
	<b>2 Pin Probes</b>	<b>AP</b>  <b>MCP-TPAP (p/n RMH117)</b> Resistance between 2 points, Pin Interval 10mm, Top $\Phi 2$ x 2 pins Pushing Pressure 240g/Pin	<b>BP</b>  <b>MCP-TPBP (p/n RMH118)</b> Resistance by 2 parts: Each part has a pin, Pin interval free, Pin top $\Phi 2$ x 2 pins Pushing pressure 240g/Pin	<b>Probe Checker</b>	<b>4 Pins</b>  <b>MCP-TRF1 (p/n RMH304)</b> Linear 4 Pins, 1 $\Omega$ for ASP, ESP, LSP Probes	<b>4 Pins</b>  <b>MCP-TRPS (p/n RMH311)</b> Linear 4 Pins, 1 $\Omega$ , for PSP probe

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**MITSUBISHI CHEMICAL ANALYTECH CO., LTD.**

Instruments Division

370 Enzo, Chigasaki, Kanagawa 253-0084, Japan.