

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



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

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

Options

4 Pin Probes

● ASP



MCP-TP03P (p/n RMH110)
Standard, Pin Interval 5mm,
Pin Top 0.37R x 4 pins
Pushing Pressure 210g/Pin

● ESP



MCP-TP08P (p/n RMH114)
For non homogeneous samples,
Pin Interval 5mm,
Pin Top $\Phi 2$ x 4 pins
Pushing Pressure 240g/Pin

● LSP



MCP-TPLSP (p/n RMH116)
For soft surface samples,
Pin Interval 5mm,
Pin Top Hemisphere $\Phi 2$ x 4 pins
Pushing Pressure 130g/Pin

● PSP



MCP-TP06P (p/n RMH112)
For small samples,
Pin Interval 1.5mm,
Pin Top 0.26R x 4 pins
Pushing Pressure 70g/Pin

● BSP



MCP-TP05P (p/n RMH111)
Resistance by 2 parts: Each part has 2 pins,
Pin interval 2.5mm,
Pin top 0.37R x 4 pins
Pushing pressure 210g/Pin

2 Pin Probes

● AP



MCP-TPAP (p/n RMH117)
Resistance between 2 points,
Pin Interval 10mm,
Top $\Phi 2$ x 2 pins
Pushing Pressure 240g/Pin

● BP



MCP-TPBP (p/n RMH118)
Resistance by 2 parts: Each part has a pin,
Pin interval free,
Pin top $\Phi 2$ x 2 pins
Pushing pressure 240g/Pin

Probe Checker

● 4 Pins



MCP-TRF1 (p/n RMH304)
Linear 4 Pins, 1 Ω
for ASP, ESP, LSP Probes

● 4 Pins



MCP-TRPS (p/n RMH311)
Linear 4 Pins, 1 Ω ,
for PSP probe

● 2 Pins



MCP-TRT1 (p/n RMH302)
2 Pins, 1 Ω ,
for AP, BP probes

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