

*Loresta-FX* MCP-T380

Portable Resistivity Meter  
with Universal Design.

*Loresta-FX* Measuring range  $10^{-2} \sim 10^6 \Omega$

Easy operation. Clear display design.  
Comprehensible low resistivity measurement.



- Just touch **START** for automatic measurement.
- 4 x AA NiMH (high capacity) rechargeable battery is usable along with AC adaptor.
- Data Logger Software (optional)

Standard equipment



● ASR Probe RMH501



● AC Adaptor RMJ901

**Nittoseiko Analytech Co.,Ltd.**



# Loresta-FX

(MCP-T380)

- 4 Pin Method Handy type Low Resistivity meter
- One touch operation by using dedicated 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 dedicated probe which adopted the springcontact mechanism.

### 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

- By setting timer in the Auto-hold mode assures reliable measurement.
- In addition to the standard AC adapter, 4 x AA size (high capacity) rechargeable NiMH batteries enable heavy use.
- Data Logger Software (optional) is available to output measurement data to PC directly.

### Specification

- Method/4 Terminal 4 Pin Method. (No RCF Function)
- 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 / Ni-MH battery)
- Probes / Exclusive: ASR, ESR, LSR, PSR, BSR, AR, BR
- Dimension & Weight / 228(L) X 85(W) X 65(H)mm, approx. 350g
- Standard Set / ASR Probe / RMH501 (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 \*Probes for Loresta AX cannot be connected to Loresta FX

#### 4 Pin Probes

##### ● ASR



**RMH501**  
Standard, Pin Interval 5mm  
Pin Top 0.37R x 4 pins  
Pushing Pressure 220g/Pin

##### ● ESR



**RMH502**  
For non homogeneous samples  
Pin Interval 5mm  
Pin Top  $\Phi 2$  x 4 pins  
Pushing Pressure 230g/Pin

##### ● LSR



**RMH503**  
For soft surface samples  
Pin Interval 5mm  
Pin Top Hemisphere  $\Phi 2$  x 4 pins  
Pushing Pressure 140g/Pin

##### ● PSR



**RMH504**  
For small samples  
Pin Interval 1.5mm  
Pin Top 0.26R x 4 pins  
Pushing Pressure 95g/Pin

##### ● BSR



**RMH506**  
Resistance by 2 parts: Each part has 2 pins  
Pin interval 2.5mm  
Pin top 0.37R x 4 pins  
Pushing pressure 170g/Pin

#### 2 Pin Probes

##### ● AR



**RMH508**  
Resistance between 2 points  
Pin Interval 10mm  
Top  $\phi 2$  x 2 pins  
Pushing Pressure 230g/Pin

##### ● BR



**RMH509**  
Resistance by 2 parts: Each part has a pin  
Pin interval free  
Pin top  $\phi 2$  x 2 pins  
Pushing pressure 200g/Pin

#### Probe Checker

##### ● 4 Pins



**RMH304**  
Linear 4 Pins, 1 $\Omega$   
for ASR, ESR, LSR Probes

##### ● 4 Pins



**RMH311**  
Linear 4 Pins, 1 $\Omega$   
for PSR probe

##### ● 2 Pins



**RMH335**  
2 Pins, 1 $\Omega$   
for AR, BR probes

Follow instructions in manuals to correctly install, connect and operate the instruments. Contents of catalogues are subject to change without prior notice when improvements are made in performance. The actual color of the goods may appear different from color printed. All screen images are simulated.  
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