Measures resistivity in a low resistance range with a 4-pin probe.

LORESTA-GP

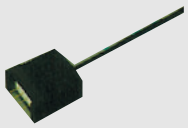
Low Resistivity Meter (Measurement Range 10^{-3} - $10^{7}\Omega$)

MITSUBISHI CHEMICAL

Loresta-GP 〈MCP-T600〉 **Measuring Instrument/Resistivity Meter**

An intelligent, multi-purpose resistivity meter equipped with software that calculates resistivity correction factors by using a 4-pin probe which measures many kinds of samples in the measurement range. (10^{-3}–$10^{7}\Omega$)

Standard Accessories



ASP Probe
MCP-TP03P

Probe Checker
MCP-TRF1

CE

LORESTA-GP 〈MCP-T600〉

Loresta-GP

Uses

Production Engineering, Quality Control, R&D.

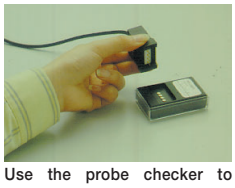
Application

Conductive paint, conductive paste, conductive plastics, conductive rubber, conductive films, metallic thin films, amorphous silicone, antistatic materials, EMI shield materials, conductive fiber, conductive ceramics, etc.

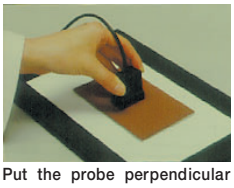
Features

The measurement range has been expanded to 9.999×10^{-3}~$10^{7}\Omega$. The 18 measuring files can be installed and a 4-pin probe method simply and accurately measures the resistivity of materials. A 5.7 inch LCD monitor makes for easy operation. Remote operation from a PC can be done through a RS232C port. The MCP probe enables one-touch, direct reading of [Ω], [Ω/sq.], and [Ω・cm]. It has a data memory of 1,000 pieces.

Push footswich (option), to start and stop measurement.



Use the probe checker to inspect probe connection.



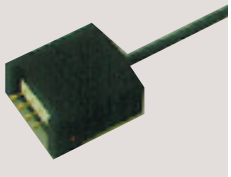
Put the probe perpendicular to the sample.

Specification

Methd of Measurement	**4-Pin probe, constant-current method**										
Measurement range	10^{-3}	10^{-2}	10^{-1}	10^{0}	10^{1}	10^{2}	10^{3}	10^{4}	10^{5}	10^{6}	10^{7}
Supplied current	100mA			10mA		1mA	100 μA	10 μA	1 μA	0.1 μA	
Measurement trueness (±% of reading±digits)	±2.0% ±20dgt	±1.0% ±5dgt	±1.0% ±3dgt	±0.5% ±3dgt						±1.0% ±3dgt	±2.0% ±5dgt
Display	5.7 inch LCD, 320×240 dot										
Power source	AC 85V~ 264V 47~ 63Hz 92VA										
Memory back up	Approximately 3 years (uses lithium battery)										
Sample protection function	Based on voltage limiter.The voltage at the open terminal is approximately 10 V when ON, approximately 90 V when OFF										
4-pin Probe	MCP probe (ASP, ESP, PSP, BSP, QPP, TFP types)										
4-pin calculating function	For rectangular and circular samples of 0.001mm-9999mm. Rectangular samples : height and width, 0.001mm-9999mm. Circular samples : diameter, 0.1mm-9999mm ; thickness, 0.001Å-9999mm.										
Data output	RS232C										
Dimensions, Weight	W330×D270×H88mm, 3.4kg										
Standard accessories	ASP probe : MCP-TP03P (4pins, inter-pin distance 5mm, pin points 0.37 R) Probe checker : MCP-TRF1 (1Ω, for ASP probe)										

Optional Probes

ESP Type



For non-uniform samples.Inter-pin distance 5mm, pin points φ2, spring pressure 240g/pin. MCP-TP08P.

PSP Type

For small samples. Inter-pin distance 1.5mm, pin points 0.26R, spring pressure 70g/pin. MCP-TP06P

QPP Type

For minute samples. Square type. Inter-pin distance 1.5mm, pin points 0.26R, spring pressure 70g/pin. MCP-TPQPP

BSP Type

For large samples. Inter-pin distance 2.2mm, pin points 0.37R, spring pressure 210g/pin. MCP-TP05P

TFP Type

For thin films. Inter-pin distance 1.0mm, pin points 0.15R, spring pressure 50g/pin. MCP-TFP

Note : This product has a maximum voltage of 100 V , therefore it is necessary to be careful about electric shocks, etc.

Note :
Follow the instructions in the manual to correctly install, connect and operate the instruments.
Contents of the catalogue are subject to change without prior notice when improvement are made in the performance.
The actual colors of the machine may appear different from colors printed in the catalogue.

DIA INSTRUMENTS CO., LTD.
370 ENZO, CHIGASAKI-SHI, KANAGAWA, 253-0084, JAPAN