

# Sheet Resistance & Resistivity Measuring System

(Four Point Probe system for max. 200mm wafer or 140x140mm square sample)

This system, developed by the technical joint of "Korea Research Institute of Standards and Science(KRISS)" and "Advanced Instrument Technology(A.I.T)", is indispensable in semiconductor manufacturing process.



**Model CMT-SR2000N**

## Feature

- ▶ Measures the sheet resistance of max. 200mm Wafer or 140x140mm square sample etc.
- ▶ Measures for sheet resistance & resistivity (ohm, ohm/sq, ohm.cm)
- ▶ Stand alone & Operation by full remote control with operating software
- ▶ Versatile data analysis functions (Contour / 3-Dimension map etc.)

**Advanced Instrument Technology**  
[www.FPP.co.kr](http://www.FPP.co.kr)

# Specification

## Measurement Range

1mΩ/sq ~ 2MΩ/sq (Resistivity : 10μohm.cm ~ 200Kohm.cm)

## Operation

Operator simply places wafer on platform and measure by stand alone operation or full remote control with operating software in PC. Unit automatically ranges to correct range and display correct reading including decimal point and multiplier.

## Four Point Probe Head

Convenient plug-in probe head/adaptor assembly permits changing or replacing a probe head with new one in minutes without special tools or alignment fixtures. JANDEL probe head are provided as standard equipment.

## Direct Digital Display

Test results are displayed on direct LCD display & PC monitor.

## Measurement Time

Approx. 3±1sec/point

## Electronic Accuracy

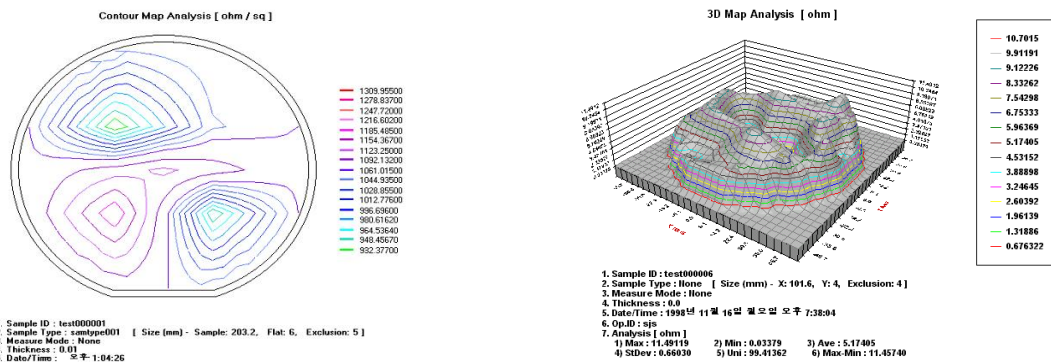
0.5% for V/I of 5mΩ to 10KΩ at an ambient temperature of 23°C±1

## Maintenance & Service

The microprocessor based electronics employ state of the art component for trouble free operation and high reliability. All electronic components mounted on easily replaced printed boards.

## Operating Software

Full remote control (Movement Configuration, Measurement)  
Various data analysis functions (Data map, Contour map, 3-Dimension map etc.)



## Option

Operating PC set / Spare probe Head / VLSI Standard wafer

## Manufacturer

**AiT Co., Ltd.**

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