

# MPI Temperature Calibration Wafer

## For accurate thermal chuck temperature verification

### FEATURES / BENEFITS

#### Universal Use

- Verify the temperature specification of any thermal chuck of 200 or 300 mm wafer size
- Loads directly onto the thermal chuck, no additional holder required

#### Certified Calibration Equipment

- Calibrated according to ISO17025:2017
- ITS90 traceability
- Annual wafer calibration service

#### Comprehensive Logging Software

- Intuitive data logger with mathematical functions
- Multiple views in graph and text format
- Various export files available



### SPECIFICATIONS

#### Calibration Wafer

Diameter	200 and 300 mm
Temperature range	-40 to 200 °C
Sensor accuracy	< 0.05 K
System accuracy	< 0.10 K
Number of sensors 200 mm	8
Number of sensors 300 mm	12
Thickness	< 4 mm
Sensor type	PT100
Cabling	4-Wire configuration



Figure 1. 300 mm Temperature Calibration Wafer

**Data Logger**

Number of channels	4
Number of data loggers 200 mm wafer	2
Number of data loggers 300 mm wafer	3
Connectivity	USB, Ethernet
Converter resolution	24 bit
Temperature Resolution	0.01 °C



Figure 2. 12-Channel Data Logger Case

**Software**

Operating system	Windows XP to Windows 10
Display	All sensor channels
Math functions	Min, Max, Mean, Range, etc
Export format	xls, pdf, proprietary data file
Multiple views	Graph, spreadsheet, text
Limits	Alert function for out of range data
IP Networking	Measurement transfer via LAN connection

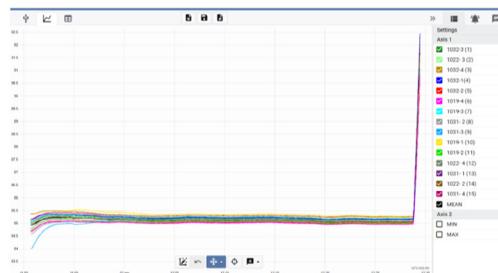


Figure 3. Logging Software

**Options**

Additional temperature sensors	4
Temperature Range	-60 °C

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