

MPI Temperature Calibration Sensor

For accurate thermal chuck temperature verification

FEATURES / BENEFITS

Flexible Use

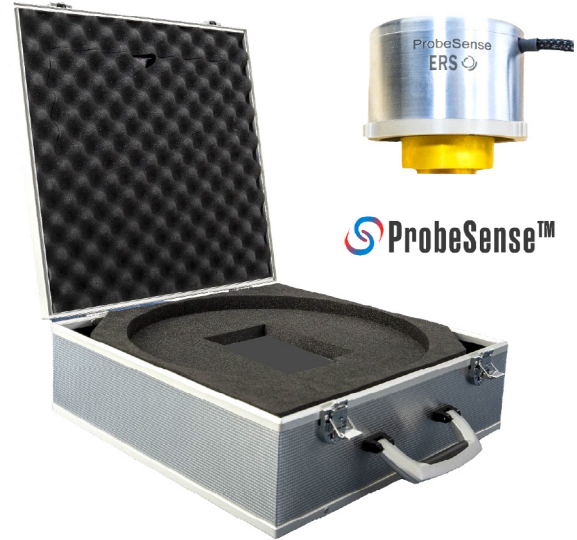
- Verify the temperature specification of any ERS thermal chuck of 200 or 300 mm size
- Measurement at the chuck probing position
- Use of standard 4.5" probe card holder

Certified Calibration Equipment

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

SENTIO® Integrated

- Free definition of location and number of measuring points
- Automated data collection and verification



SPECIFICATIONS

Calibration Sensor

Chuck size	Independent
Temperature range	-40 to 200 °C
Sensor accuracy	< 0.03 K
Sensor type	PT100
Cabling	4-Wire configuration



Figure 1: ProbeSense™ Temperature Calibration Sensor

Data Logger

Number of channels	1
Number of data loggers	1
Connectivity	USB
Temperature Resolution	0.01 °C



Figure 2: ProbeSense™ Connection Diagram

Software

Operating system	SENTIO® integrated
Display	Position and Temperature
Math functions	Min, Max, Mean, Range, Offset
Set Points	Location, Temperature, Soaking
Automation	Data collection, offset calculation and verification



Figure 3: SENTIO® Temperature Uniformity Measurement

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