

# TITAN S8

## OVEN MAPPING MADE EASY



### BACKGROUND

Process Measurement Company is an ISO/IEC 17025:2005 accredited calibration lab, offering instrument calibration services and equipment calibration to a wide variety of industries. Headquartered in Minneapolis with offices in Denver, Kansas City and Omaha, Process Measurement offers on-site services for customers that need to verify and validate that their equipment is meeting regulatory compliance.

A medical device manufacturer reached out to Process Measurement to conduct an oven mapping study. A report of the results is required annually to prove compliance with government and company policy.

### CHALLENGE

The company needed their clean process benchtop oven to be validated at a temperature of 150 °C with a tolerance of +/- 1.5 °C with readings required every 30 seconds over an hour. This type of oven is typically used for packaging processes, sterilization and drying.

### SOLUTION

To efficiently perform the oven mapping, Process Measurement used MadgeTech's Titan S8 portable data acquisition logger. Equipped with eight channel inputs, the technician placed a Type K thermocouple at the top and bottom of each corner of the oven.

With the Titan S8 the technician was able to map the eight points while viewing the results in real-time, graph and tabular view. Over the course of the study, 976 readings were collected, downloaded onto a USB and uploaded into a Microsoft Excel file for analysis.

Thanks to MadgeTech's Titan S8, results showed that all eight points of the oven were operating properly at or slightly above 150 °C and Process Measurement was able to issue a certificate of conformance.

For more information on the Titan S8 or to find the right data logging solution for your needs:

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