

MADGETECH DATA LOGGERS BOOST CUSTOMER CONFIDENCE FOR C.P.M. LABS



BACKGROUND

Located in Rancho Cordova, California, C.P.M. Labs is a full-service calibration laboratory with traceability to the National Institute of Standards and Technology (NIST) and an ISO/IEC 17025:2005 accredited quality management system. Established in 1982 in response to local demand, C.P.M. Labs has since expanded their services to include precision measurements, consultation services, training and asset management.

CHALLENGE

The increasing accuracy and sophistication of the temperature devices C.P.M. Labs is calibrating demand higher accuracy and more information than older technologies offer. In the market for a reliable data logging solution, associates referred C.P.M. Labs to MadgeTech, providing the durability required to record and present reports to their customers.

SOLUTION

"In our line of work, confidence in the results can be of greater value to the customer than low price," Craig Howell, President, C.P.M. Labs

To assist with their thermal shock chambers and autoclave mapping and validation services, C.P.M. Labs purchased MadgeTech's **HiTemp140-PT** high temperature data logger and the **HiTemp140-TS** thermal shield.

For use in autoclaves, C.P.M. Labs places the HiTemp140-PT, enclosed in the thermal shield, inside the unit and runs the autoclave through its cycles. Once complete, the data is then downloaded to the MadgeTech Software where they compare the data from the logger to the actual conditions inside the autoclave.

In thermal shock chamber applications, C.P.M. Labs starts by placing the HiTemp140-PT, enclosed in the thermal shield, in the "cold" section to log the temperature and stability. After an appropriate time has elapsed, the chamber physically moves the test area down into the "hot" section where the temperature and stability are logged. Once the cycle is complete, the data from the logger is downloaded and the results are analyzed.

Coupled with the MadgeTech software, MadgeTech data loggers allow users to ignore the first spike in temperature overshoot, instead of just the maximum reading. This information is crucial when conducting calculations based on the overall average. The software also provides time-stamped readings, which is valuable information when a temperature fluctuation occurs, allowing the user to associate the change with a behavior in their process.


"The results of the information available to the customer, and the method that we present it to them, put us in a very good light as the customer can make evaluations that they have not previously known," Craig Howell, President, C.P.M. Labs

To find the best data logging solution for recording and analyzing equipment performance, call us at (603) 456-2011 or email us at info@madgetech.com.

Contact us to find the right data logging solution for your needs:

 madgetech.com

 info@madgetech.com

 (603) 456-2011