

TRACK THE PERFORMANCE OF YOUR ENVIRONMENTAL CHAMBER FROM ANYWHERE



The DataSenseTM Gateway works with **multiple sensors** to monitor strategic areas of your environmental chamber.



MONITOR
CURRENT



MONITOR
HEATING/COOLING
OUTPUT



MONITOR
PRESSURE



MONITOR
TEMPERATURE
& HUMIDITY



MONITOR
VIBRATION



MONITOR
AMBIENT
CONDITIONS

PERFORMANCE MONITORING SYSTEM

WORKS WITH NEW AND MOST EXISTING TENNEY MODELS

Using an IoT gateway with a DataSenseTM Service Plan*, this system collects information from predictive maintenance sensors to track the performance and health of a variety of components and conditions on your environmental chamber. The gateway wirelessly transmits data to a cloud platform where it can be displayed in dashboards. Thresholds can be set around warning or alarm conditions to notify the Tenney service team.

DataSenseTM **Service Plan Monthly** **Subscription** **Includes:**

- Data monitoring
- Alarm services
- Customized dashboard access
- Virtual health checks

PREDICT POTENTIAL FAILURE - Predict component failures and take preventative measures prior to the failure occurring.

REDUCE DOWNTIME - Through continuous monitoring of the chamber operation, component failures can be diagnosed and corrected quickly.

PLAN MAINTENANCE - Preempts chamber failures so maintenance downtime can be scheduled.

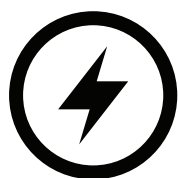
DIAGNOSE REMOTELY - Diagnose chamber problems quickly without waiting for a service technician to be scheduled.

INCREASE PRODUCTIVITY & PROFITABILITY - Minimize unplanned downtime to maximize the productivity of the chamber and increase profitability



WHAT IS MONITORED?

The DataSense™ Technologies system **continuously records important data points** to make sure your equipment is running at peak performance levels.



CURRENT



PID OUTPUT



PRESSURE



TEMPERATURE



VIBRATION



AMBIENT
CONDITIONS

FEATURES

Industrial grade sensors are pre-wired and tested prior to shipment.

Cellular technology connects automatically upon chamber power-up, with no monthly cellular fees.

Continuous monitoring (if service plan is purchased) – DataSense™ constantly monitors the system and notifies Tenney when anomalies are detected, and can directly notify the customer.

Dashboards are used to display the data being collected, as well as any alarm conditions – Accessible via an internet browser – Available to the customer if they purchase the service plan.

Data storage - After being collected, the data points are accumulated and stored for analysis at any time via the dashboard.

EQUIPMENT RETROFITS

- Retrofit packages are available for Tenney and non-Tenney equipment.

SYSTEM SECURITY

- The DataSense™ system **only collects data**, and cannot affect the chamber operation, nor turn the chamber off or on. In the unlikely event of a failure of the DataSense™ system, the chamber will remain operational.
- DataSense™ **does not connect to the customer's network**, nor have access to it.
- DataSense™ **uses encryption technology**, and is just as secure as emails and texts.



See how it works

For a quick look into how DataSense™ Technologies work, scan the QR code or visit the DataSense™ Technologies YouTube channel and search "DataSense".



Tenney Environmental is a brand of Thermal Product Solutions, LLC.

»Blue M »Gruenberg »Lindberg/MPH »Lunaire
»Redline Chambers »Tenney »Wisconsin Oven

www.tenney.com

2821 Old Route 15 | New Columbia, PA 17856-9396 | USA | P: (570) 538-7200 | F: (570) 538-7380