

Introducing Dickson Smart Sensors

The Next Generation of Intelligent Temperature Monitoring

- **Plug and Play solution** thanks to **quick sensor replacements**, without disrupting ongoing monitoring.
- **Built-in calibration data storage**, ensuring optimal traceability.
- **Lower maintenance costs**, thanks to a simplified process.
- **Full compliance with regulatory requirements**, for reliable environmental monitoring.
- Trusted data security with **FDA 21 CFR Part 11 compliance**.

Smart Sensor technology from Dickson, offers seamless sensor swapping and **built-in calibration data storage** for uninterrupted compliance. These Smart Sensors are designed for critical environments like freezers, cleanrooms, laboratories, and pharmaceutical storage, and ensure **continuous tracking** of ambient conditions like temperature, humidity or Co2.

Now available in Dickson's **new Smart DS sensor**, this technology features an integrated intelligent architecture that **stores calibration data directly within the sensor**. This eliminates the need for full device recalibration, allowing for quick sensor replacement **without data loss or monitoring interruptions**.

For industries where regulatory compliance and measurement accuracy are critical, such as pharmaceuticals, research laboratories, cold chain logistics, and healthcare, a reliable monitoring system is essential. With Smart Sensors, Dickson ensures top-tier performance, aligning with strict standards like GxP, FDA, ISO 17025, ISPE and HACCP.

Discover Dickson's Smart DS

The new **Smart DS** temperature probe completes our portfolio as a reliable, intelligent solution designed for use in **critical environments**.

Thanks to its Smart Sensor technology, it enables seamless maintenance, reduces downtime, and ensures full traceability of calibration data—perfect for highly regulated industries.

- Flat cable for better equipment integration
- Temperature range: -40°F to +176°F
- Seamless compatibility with DicksonOne & OCEAView



Engineered for the Most Demanding Environments

Smart Sensors are designed for **seamless integration** into existing infrastructures and support advanced connectivity options such as **LoRa, Wi-Fi, and Bluetooth**.

By integrating Smart Sensor technology, businesses gain access to a **high-performance monitoring solution** built to perform in critical conditions:

- **Temperature range:** -200°C to +200°C, depending on the model.
- **Humidity range:** 0% to 100% RH, with automatic temperature compensation.
- **High accuracy**, with a margin of error as low as $\pm 0.1^\circ\text{C}$ for temperature and $\pm 1\%$ for humidity.
- **Easy & fast set-up**, enabling quick and hassle-free installation.
- More time to **focus on essential activities** by eliminating the risk of human error.

"Smart Sensors from Dickson combine precision, compliance and ease of use into a single powerful solution. This innovative technology reflects our continued commitment to delivering advanced monitoring systems that reduce complexity, enhance efficiency and help customers meet the highest regulatory standards within critical environments."

Rick Weiler
President & CEO
The Dickson Company

Complete Integration within the Dickson Ecosystems

Smart Sensor technology is fully **compatible with Dickson OCEAView and DicksonOne** platforms, enabling centralized and **intuitive sensor management**. Users benefit from real-time data visualization, instant alerts for anomalies, and audit-ready reports.

After initial calibration, you can easily swap your current sensor with a freshly calibrated sensor without any data loss or downtime. By simplifying preventive maintenance, and ensuring **continuous traceability** of environmental data, Dickson reinforces its commitment to providing innovative and reliable monitoring solutions for the most demanding industries.

With Smart Sensor, Dickson strengthens its position as a technology leader, supporting businesses in their pursuit of **quality, compliance, and operational excellence**.

About DICKSON

As one of the first to market with environmental monitoring cloud computing solutions and serving more than 50,000 customers around the globe, Dickson is a trusted provider of innovative, reliable products and services environmental monitoring solutions for life sciences, hospitals and other highly regulated industries with critical temperature and humidity requirements. Through leading-edge software, state-of-the-art data loggers, and expert support services, Dickson helps organizations maintain regulatory compliance, protect sensitive products, and ensure smooth operations. Founded in 1923, Dickson has been proudly serving customers around the globe for more than 100 years.

To learn more about our products and services please visit: www.dicksondata.com

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