

New Wireless Monitoring Solution for Freezers and Meat Lockers

Accsense A1-13 Wireless Temperature Pods Save Time and Cut Costs

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Restaurants and frozen food suppliers constantly work to comply with demanding FDA regulations in the processing and storage stages of their products, including 21-CFR part 11, to guarantee food quality and safety. Restaurants need to closely monitor products kept in walk-in freezers, deli freezers and meat lockers which often fluctuate in temperature due to uneven cooling and staff frequently coming and going. **CAS DataLoggers** now has the ideal solution with the **Accsense A1-13 Wireless Temperature Data Logger**, supplying a highly accurate yet hassle-free device protecting clients' cold chain integrity via automated temperature monitoring. Combined with the **Accsense B1-06 Wireless Data Logger Gateway**, these cost-effective data loggers offer customers a complete wireless monitoring system transmitting all recorded temperature data online for easy storage and analysis. Saving customers the time and trouble of taking manual temperature readings, Accsense automated monitoring is much less expensive, more reliable, and offers more data storage and regulatory documentation. All the system requires is an RJ45 Ethernet connection with open internet access to start recording, entirely eliminating the need for troublesome installation and wiring.

Offering pinpoint data logging accuracy, each Accsense A1-13 sensor pod features an internal ambient temperature sensor that records at a wide temperature range of -40°C to +70°C (-40°F to 158°F) with an accuracy of $\pm 1.4^{\circ}\text{C}$ at 25°C. Each A1-13 pod connects to three RTD sensor inputs, significantly reducing the cost per measurement, easily covering a typically large walk-in freezer with just one pod! The datalogger also features two digital inputs for connection to a broad range of digital sensors, and diagnostic LEDs give users clear indication of power, wireless status, and more.

Additionally, the Accsense system has the easiest installation on the market and entirely eliminates the need for IT professionals or costly training programs. Operating on battery or AC power, these sophisticated dataloggers bridge the connection between critical data and the Internet. The B1-06 gateway features built-in 10/100BaseT Ethernet and can support as many as 16 temperature sensor pods, with a wireless range of 250 feet unobstructed and 90 feet indoors. A 1900-point sample buffer automatically backs up the data in case of emergencies, and each pod's memory can store up to 32,000 samples with a user-settable sampling frequency anywhere from every 30 seconds to every 24 hrs.

The wireless gateway includes FREE software and feature upgrades, with no troublesome software installation or firewall configuration required. Users work with a customizable interface with dashboards



of the most recent measurements from all sensor pods. Manual vertical scaling allows for consistency across multiple graphs and samples, and users have instant access to charts depicting measurement history with ranges as narrow as 5 minutes or as wide as 90 days. Measurement data can also be downloaded for offline analysis, and users can allow password-protected, limited access to specified personnel.

The system's advanced functionality forms an ideal solution to complying with demanding regulations including 21-CFR part 11. Users can immediately access measurements acquired using the Accsense solution on a completely secure online Accsense Account, backed up at the manufacturer's secure Rackspace™ servers. Data can also be sent as a local ASCII stream, either of which the user can incorporate into custom software. Using an online account subscription with each gateway, users can plot measurement history, analyze tabular data, and set alarms to watch their data, with measurements updated in real-time. The secure servers can also send out voice, text or email alerts (with premium subscription) to inform the supplier and authorized staff when a temperature reading falls out of range. The same alarm can even be sent to multiple locations! Additionally, data sent online can be downloaded as a CSV file and loaded into most database applications. The gateway's internal data storage can even compensate in the event of Internet outages.

Available accessories for A1-13 pods include an external battery pack to extend monitoring for up to 2-3 years, a temperature RTD probe with an external sensor measuring at a wider range of -100°C to +100°C (-148°F to 212°F), and an ambient temperature RTD probe measuring from 0 to 100°C (32°F to 212°F).

For more information on the Accsense A1-13 Wireless Temperature Data Logger, other Accsense wired and wireless pods, or to find the ideal solution for your application-specific needs, contact a CAS Data Logger Applications Specialist at (800) 956-4437 or visit the website at www.DataLoggerInc.com.

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