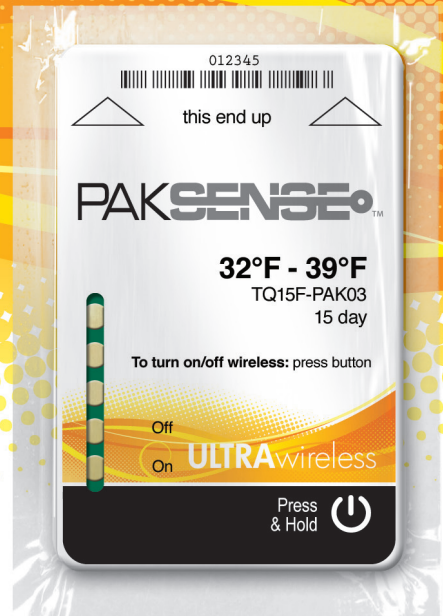


Ultra Wireless



A New Class of Temperature Recorder

PakSense™ Ultra Wireless Labels are flat, about the size of a credit card, and digitally record the time and temperature of a product's environment during distribution or storage. They are a new class of recorder that does not require ongoing calibration to maintain accuracy. Additionally, PakSense Ultra Wireless Labels take a surface temperature read of the object to which they are attached, providing a more accurate assessment of actual product temperature.

Standard temperature range specifications for the most frequently shipped perishable items are preprogrammed into labels by PakSense. Users simply order the appropriate label, activate the label, and attach it to product or product packaging prior to shipping. The label is encased in waterproof food-safe packaging and is identified by a unique serial number.

Downloading Data Wirelessly

With the simple touch of a button, the Ultra Wireless Reader will collect data from any Ultra Wireless Label within a 300 foot line of sight range (91 meters) or approximately 60 foot (18 meters) obstructed range. Information from up to 30 labels can be collected at one time. Data can be examined on the Ultra Wireless Reader screen immediately after download.

Data includes the following:

- Maximum and minimum temperatures attained.
- Average temperature calculation.
- WAB – total time temperature was within, above, and below temperature parameters.
- Out of temperature range alert indicators – upper, lower, or both.

By clicking forward, more detailed information regarding alerts, if any, are displayed. Information provided by the Ultra Wireless Reader enables users to make "on the dock" receiving decisions, before product is unloaded from a container. This streamlines the receiving process, keeping the user in control before potentially substandard product is accepted. This capability also saves time by eliminating the process of manually collecting temperature data.

Download Detailed Information to Your PC

Once label data is viewed on the Ultra Wireless Reader it can be downloaded to a PC for permanent electronic storage. Simply connect the Ultra Wireless Reader via a USB cable to any computer running Windows and start the PakSense Ultra Software application. Once downloaded, a Microsoft Excel document is generated and is automatically saved as the serial number of the label. Each Excel document contains a summary page of temperature information, a graph, and detailed time and temperature listings in 5 minute intervals.

Minimize Environmental Impact

15 PakSense Ultra Wireless Labels are the same approximate size as one traditional temperature recording device and have a lower carbon foot print. In addition, Ultra Wireless Labels can be returned to PakSense for recycling through the PakSense GreenSense™ program.

Ultra Wireless Label Specifications

Size: 2.4" x 3.4" (61mm X 81mm) pouched size, .5 ounce (14.2 grams)

Memory: Non-volatile 4K or 2,000 data points

Shelf Life: 6 months from date of manufacture

Calibration: All temperature sensors calibrated during manufacturing, ongoing calibration is not required to maintain accuracy

Temperature Sampling Frequency: One minute

Data Collection Time: Up to 30 days

Temperature Resolution: .1°F/C

Range: 300 feet/91 meters line of sight; approximately 60 feet/18 meters obstructed

Airplane Mode: Wireless transmission capabilities can be deactivated for use on air cargo shipments. However, the Ultra Wireless Label will continue to collect temperature data. Wireless transmission capabilities can be reactivated upon arrival.

Readings: Surface or ambient

Start Up Delay: Standard 30 minutes or configurable 0 to 1275 minutes via custom order

Alert Configurations: Consecutive standard or cumulative via custom order

Frequency: US 902-928MHz or EU 865-868 MHz frequency band

Housing: NEMA 6P/IP68 dust and water resistant; waterproof, food-safe label pouch

Reading Redundancy: All Ultra Wireless Labels can also be read using the PakSense Ultra Contact Reader

Recycle Options: Available through the PakSense GreenSense program

Technical Specifications — PakSense Software

Supported Operating Systems:

Windows XP, Vista, Windows 7 and Windows 8 (both 32bit and 64bit)

Microsoft Office 2003 - 2013



PakSense Reader

Summary: 002DI6	
Max.: 79.7° F	Alert: ††
Min.: 30.2° F	MKT: 58.4° F
Avg.: 58.7° F	SDEV: 13.4° F
WAB: 11.5% / 82.6% / 5.9%	
12.6h / 90.3h / 6.4h	

Sample Screen Shots

Alerts: 002DI6	
Alert: †	ADM
Temp.: 79.7° F	35.6K° m
Start: 01/14/2008 19:39	
Duration: 22.0h	
(1 of 7) Total 7	

PAKSENSE™

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