

# GO PDF Logger

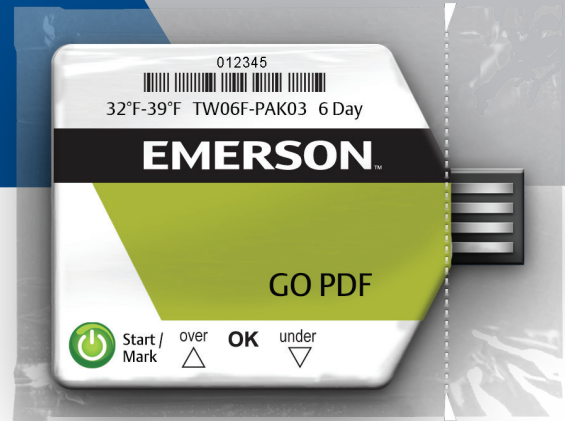
USB data logger with automatic PDF report

GO PDF Loggers digitally monitor time and temperature of perishable products during distribution and storage. Loggers are flat and feature an integrated USB connection point which can be plugged directly into the USB port of a computer. Once connected, the logger automatically generates a PDF file containing complete time and temperature history, including graphs and summary data. GO PDF Loggers eliminate the need for reading devices and proprietary software and are optimal for applications requiring fully independent operation.

## GO PDF General Use

GO PDF Loggers are suitable for the general monitoring of most perishable food and industrial products. Loggers feature an accuracy range between 0.5°C and 0.7°C over the operating range of -25°C to 60°C. General use Loggers record data up to 90 days and can be programmed to alert if pre-programmed temperature excursions occur.

In addition, GO PDF Loggers can also be optimized for monitoring vaccines, pharmaceuticals, biologics and other temperature sensitive products. They feature a 0.5°C accuracy over the operating range of -20°C to 60°C, record data for up to 55 days and can be programmed to alert if pre-programmed temperature excursions occur. Along with PDF file generation, Loggers include an embedded NIST certificate of accuracy and a CSV file which displays time and temperature in five minute increments



Small, flat, waterproof recorder



Digitally records time and temperature data



Unique design plugs directly into USB port; generates PDF data file



Full independent operation - eliminates readers and software



Great for monitoring exports/imports and worldwide shipments



Various models available for all of your applications

# Technical Specifications

## Features

<b>Alarm Indicators:</b>	LEDs indicate temp over/under/OK
<b>Calibration:</b>	FCC, FAA, IC, CE, RCM, RoHS, China RoHS, WEEE
<b>Embedded CSV file:</b>	Yes
<b>Export to Other Applications:</b>	Generates PDF with embedded CSV on PC
<b>In-Use Life:</b>	Up to 110 days
<b>Life Sciences Validation:</b>	Yes
<b>Marking Capabilities:</b>	Yes
<b>NIST Traceable:</b>	Yes
<b>Operating Environment:</b>	-25°C (-13°F) to 60°C (140°F)
<b>Operating System:</b>	Windows Vista, 7, 8, and 10 with Adobe Reader version 9 or later
<b>Shelf Life:</b>	15 months
<b>Size:</b>	2.4" x 3.3" (61mm x 85mm)
<b>Stop Button:</b>	Yes
<b>Temperature Accuracy:</b>	(-25°C to 60°C) (-13°F to 140°F): ±0.0625°C (0.1125°F)
<b>Time Zone:</b>	UTC in logger, reader converts to selected time zone
<b>Waterproof Rating:</b>	1 meter for 1 hour
<b>Weight:</b>	14.2 g (0.5 oz)

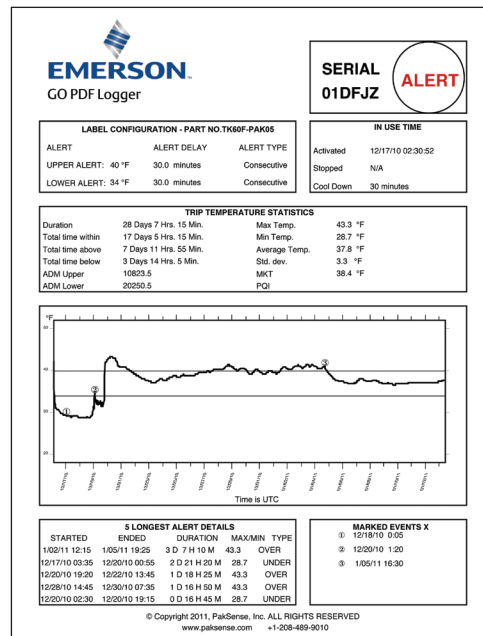
## GO PDF Logger

### Vaccines, Pharmaceuticals, Biologics

## GO PDF Logger

### Perishables & Industrial Products

LEDs indicate temp over/under/OK
FCC, FAA, IC, CE, RCM, RoHS, China RoHS, WEEE
Yes
Generates PDF on PC
Up to 90 days
No
Yes
Yes
-25°C (-13°F) to 60°C (140°F)
Windows Vista, 7, 8, and 10 with Adobe Reader version 9 or later
15 months
2.4" x 3.3" (61mm x 85mm)
No
(-25°C to 60°C) (-13°F to 140°F): ±0.5°C (0.9°F)
UTC in logger, reader converts to selected time zone
1 meter for 1 hour
14.2 g (0.5 oz)



PDF Example

## Contact Information

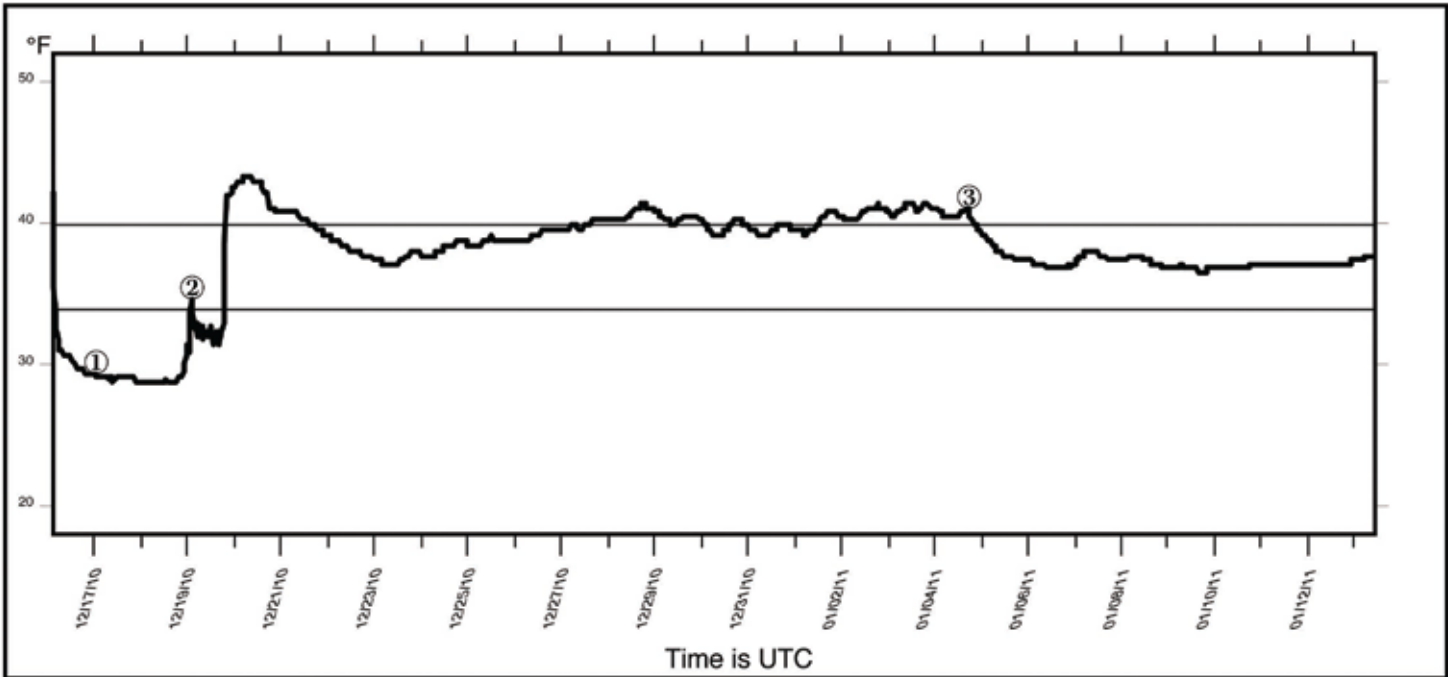
+1 (877) 832-0720  
info@paksense.com

<b>SERIAL</b> <b>01DFJZ</b>	<b>ALERT</b>
--------------------------------	--------------

LABEL CONFIGURATION - PART NO.TK60F-PAK05		
ALERT	ALERT DELAY	ALERT TYPE
UPPER ALERT: 40 °F	30.0 minutes	Consecutive
LOWER ALERT: 34 °F	30.0 minutes	Consecutive

IN USE TIME	
Activated	12/17/10 02:30:52
Stopped	N/A
Cool Down	30 minutes

TRIP TEMPERATURE STATISTICS			
Duration	28 Days 7 Hrs. 15 Min.	Max Temp.	43.3 °F
Total time within	17 Days 5 Hrs. 15 Min.	Min Temp.	28.7 °F
Total time above	7 Days 11 Hrs. 55 Min.	Average Temp.	37.8 °F
Total time below	3 Days 14 Hrs. 5 Min.	Std. dev.	3.3 °F
ADM Upper	10823.5	MKT	38.4 °F
ADM Lower	20250.5	PQI	



5 LONGEST ALERT DETAILS				
STARTED	ENDED	DURATION	MAX/MIN	TYPE
1/02/11 12:15	1/05/11 19:25	3 D 7 H 10 M	43.3	OVER
12/17/10 03:35	12/20/10 00:55	2 D 21 H 20 M	28.7	UNDER
12/20/10 19:20	12/22/10 13:45	1 D 18 H 25 M	43.3	OVER
12/28/10 14:45	12/30/10 07:35	1 D 16 H 50 M	43.3	OVER
12/20/10 02:30	12/20/10 19:15	0 D 16 H 45 M	28.7	UNDER

MARKED EVENTS X	
①	12/18/10 0:05
②	12/20/10 1:20
③	1/05/11 16:30

# GO NFC Logger

Time & temperature data read with a mobile device

## Smart Temperature Recorder

GO NFC Loggers monitor time and temperature of perishable products during distribution and storage. Loggers are flat and transfer time/temperature data via short-range, near field communications (NFC) using phones and tablets. Logger data is immediately available on the screen of the device via the Label Viewer mobile application. GO NFC Loggers leverage the capabilities of Android phones that are already widely available and eliminate the need for proprietary readers. Data is easily sent to any email address via the mobile application.

GO NFC Loggers use an innovative temperature sensor that enables them to take a surface read of the object to which they are attached. This provides a closer approximation of actual product temperature versus the general ambient readings provided by bulkier recorders. Loggers sample temperature every minute for highly accurate temperature sensing, are encased in waterproof packaging, and each logger is NIST traceable. Because of the unique physical characteristics of the sensor, ongoing calibration is not required to maintain accuracy. All loggers are manufactured in ISO-9001 registered facilities.



Quick data downloads



Leverages NFC-enabled mobile devices



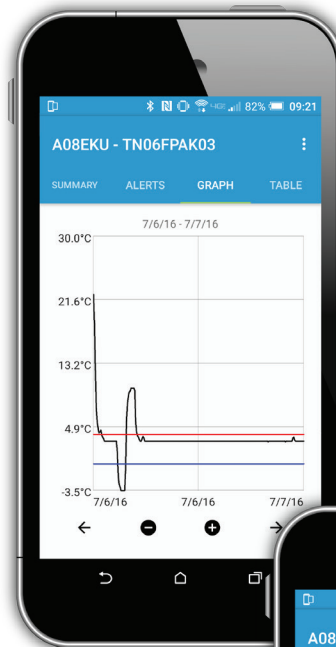
Quickly send data to any email address



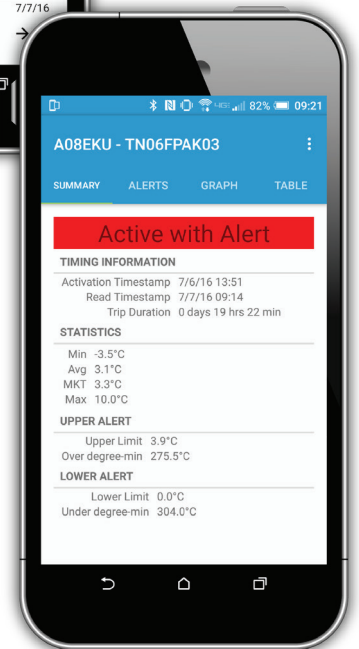
Accurate temperature measurements

# Technical Specifications

- Alarm Configurations:** Upper/lower/both/none, alerts may be consecutive (default) or cumulative
- Alarm Indicators:** LEDs indicate temp over/under/OK
- Calibration:** Silicon based sensor is calibrated at the time of manufacture by Texas Instruments
- Certifications:** FCC, IC, CE, RCM, Chile, Peru, RoHS, China RoHS, WEEE
- Logger Pouch/Housing:** NEMA 6P/IP67 dust and water resistant; FDA 21 CFR compliant food-grade packaging
- Memory:** 4K EEPROM, 1922 hard data points
- Mobile Applications:** Label Viewer (available from Google Play Store, company web site, QR code on logger)
- NIST Traceable:** Yes
- Operating Environment:** -25°C to 60°C (-13°F to 140°F)
- Read Range:** Up to 2" (5.08 cm)
- Reading Redundancy:** Contact Reader
- Recycle Options:** GreenSense™ program
- Shelf Life:** 15 months
- Size:** 2.4" x 3.4" (61mm x 81mm)
- Start Delay:** Standard 30 minutes, configurable 0 to 1275 minutes
- Supported Readers:** Android™ 4.1 and newer with integrated NFC reader, NFC-enabled phones and tablets, Contact Reader
- Temperature Accuracy:** -25°C to 60°C (-13°F to 140°F): ±0.5°C (0.9°F)
- Temperature Resolution:** 0.1°C
- Temperature Sampling Frequency:** 1 minute
- Temperature Units:** °F and/or °C
- Weight:** 0.5 oz (14.2 g)



Graph of Data



Data Summary

## Contact Information

+1 (877) 832-0720  
info@paksense.com

# GO TH Logger

Versatile temperature and humidity logger



## Reusable and programmable digital data logger

Small and compact, these loggers record temperature and humidity levels during distribution and storage. Both temperature and humidity ranges are programmable via the GO TH Software and all units are reusable. The LED screen allows users to view the current time and most recent temperature and humidity readings. They are optimal for use in closed-loop situations and import/export container shipments.

Humidity and temperature data collected by the loggers can be downloaded and graphed. All data collected by the loggers can be saved electronically and is easily printed and shared.

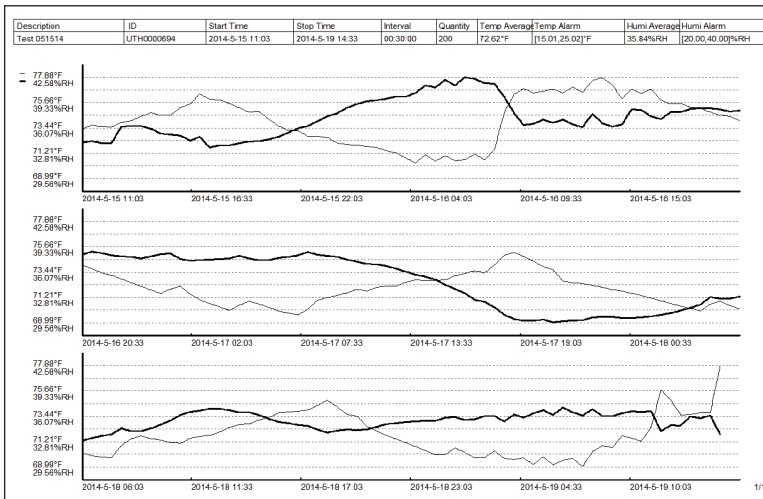


Software

-  Multi-use
-  Programmable
-  Temperature & humidity
-  LED screen to view data
-  Easy to use
-  Economical

# Technical Specifications

- Operating Humidity Range:** 0%RH to 100%RH;  $\pm 3\%$ RH Accuracy
- Humidity Resolution:** 0.01%RH
- Temperature Range:** -40°F (-40°C) to 176°F (80°C)
- Temperature Accuracy:**  $\pm 1^\circ\text{F}$  ( $\pm 0.5^\circ\text{C}$ ),  $14^\circ\text{F}$  (-10°C) to  $176^\circ\text{F}$  (80°C)  
 $\pm 1.8^\circ\text{F}$  ( $\pm 1^\circ\text{C}$ ), -40°F (-40°C) to  $14^\circ\text{F}$  (-10°C)
- Temperature Resolution:**  $0.01^\circ\text{F}$  (0.01°C)
- Memory:** 32,000 data points (16,000 RH%; 16,000 Temperature)
- Recording Interval:** 1 minute to 24 hours (programmable by user)
- Start Delay:** 1 minutes to 24 hours (programmable by user)
- Shelf Life:** Up to 15 months
- Size:** 3.4" x 1.1" x 0.5"(8.6cm \* 2.8 cm \* 1.2 cm)
- Weight:** 1.25 oz.( 35g)



Printable Graph

## Contact Information

+1 (877) 832-0720  
info@paksense.com

# Sample Report from Go TH Logger



## Sample Applications

