



# Mirador™

Mirador™ is a web-based application for 24/7, real-time environmental monitoring during the various stages of production, storage and transportation. This fully secure system complies with regulatory requirements of the life science, pharmaceutical, healthcare and food industries.

The main interface is a representation of your installation with sensor locations and real-time readings received from sensors. It displays the list of recent alarms triggered by the system, as well as alarm status messages. It is also used to access other screens depending on user privileges.

The system can alert you of sensor-level readings or system-level issues, including power failure, network connectivity loss, and damage to a sensor.

## Applications



Warehouse



Trucks



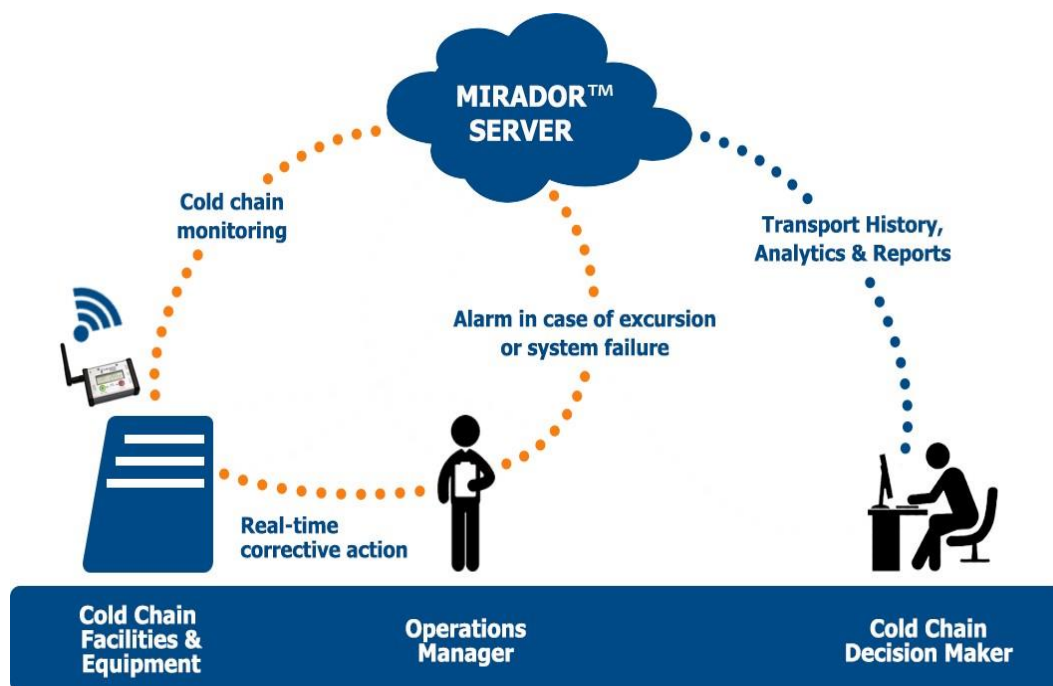
Refrigerators and Ovens



Incubators



Product Temperature





# Mirador™

- 24 / 7 / 365 real-time monitoring
- Cloud-based or on-premise
- Gain visibility and control
- SaaS: Software as a Service
- EaaS: Equipment as a Service option
- User-friendly notifications
- Regulatory compliant
- Scalable platform
- Calibration services



## CERTIFICATIONS



21 CFR  
Part 11



ISO  
9001:2015

## Product Specifications *(continued on back)*

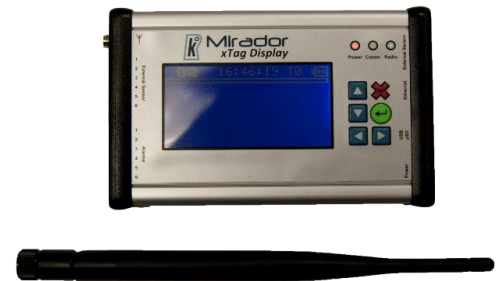
### xTag2 Sensors

- Wireless temperature and humidity sensor
- Available with external sensor, external probe and RTD sensor
- Aluminium case
- 2MB internal memory – no risk of losing data even with electrical failure
- Rechargeable Lithium-ion battery



### xTagDisplay Reader

- Possibility to connect 1 external sensor on the xTagDisplay directly
- Dot matrix LCD + LED
- Internal memory +  $\mu$ SD card
- Powered via PoE or power supply, with rechargeable back-up battery





# Mirador™

## Operation Overview

Mirador™ wireless sensors are configured with user-specific alarm thresholds and measurement intervals. The sensors are then strategically placed in applicable areas to monitor environmental conditions. On average, the xTag2 takes a measure every 5 minutes.

- The sensors record data and transmit to a reader, the xTagDisplay.
- This reader is connected to the dedicated server where **Mirador™** has been centrally installed or remotely hosted.
  - It transmits all data recorded by the xTag2 every 2 minutes, on average.
- The web portal provides immediate access to real-time and historical sensor data for all monitoring locations.
  - Compliant graphs and reports may be easily retrieved from the portal. Reports are available in multiple formats, such as text report, graph and interactive graph, pdf, or .csv export to Excel.
- If and when a temperature deviation occurs, alerts can be delivered via text, email or pager.

<b>MIRADOR™ Sensor Specifications (by logger type)</b>			
	<b>xTagDisplay Reader</b>	<b>xTag2 Temperature</b>	<b>xTag2 Temperature &amp; Humidity</b>
Temperature Range	-40°C / +85°C (-40°F/+185°F)	-40°C / +85°C (-40°F/+185°F)	-40°C / +85°C (-40°F/+185°F)
Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C
Temperature Resolution	±0.0625°C	±0.0625°C	±0.0625°C
Humidity Range	*	*	0-100%
Humidity Accuracy	*	*	3%
Humidity Resolution	*	*	±0.01%
CO2 Level	*	*	*
PSIG	*	*	*
Data Storage	4 Gb + USD card holder	2 Mb	2 Mb
Battery Life	Up to 4 hours	Up to 14 months (rechargeable)	Up to 14 months (rechargeable)
Battery Type	1.85A/H Li-ion Polymer	1.85A/H Li-ion Polymer	1.85A/H Li-ion Polymer
Interfaces	USB, external power supply, passive POE (power over Internet)	USB, external power supply	USB, external power supply
Radio	Selectable 16 channels @2,4GHz	Selectable 16 channels @2,4GHz	Selectable 16 channels @2,4GHz
Typical Dimensions	5 x 3 x 1.25" 127 x 76.2 x 31.8 mm	3.5 x 2.25 x 1" 88.5 x 57.2 x 25.4 mm	3.5 x 2.25 x 1" 88.5 x 57.2 x 25.4 mm
Certifications & Industry Standards	NIST traceable calibration certificate on 9 points, FCC & IC approved	NIST traceable calibration certificate on 9 points, FCC & IC approved	NIST traceable calibration certificate on 9 points, FCC & IC approved
Applications	Warehouse, cold room, truck, fridge & freezer (external sensor)	Warehouse, cold room, truck, fridge & freezer (external sensor)	Warehouse, cold room, truck, fridge & freezer (external sensor)

MIRADOR™ Sensor Specifications (by logger type)				
	xTag2 Cryogenic	xTag2 High Temperature	xTag2 Carbon Dioxide	xTag2 Differential Pressure
Temperature Range	-196°C / 0°C (-320.8°F / 32 °F)	100°C / 300°C (212°F / 572°F)	*	*
Temperature Accuracy	±2.0°C	±2.0°C	*	*
Temperature Resolution	±0.7°C	±0.7°C	*	*
Humidity Range	*	*	*	*
Humidity Accuracy	*	*	*	*
Humidity Resolution	*	*	*	*
CO2 Level	*	*	0 - 10%	*
PSIG	*	*	*	0-100 PSIG
Data Storage	2 Mb	2 Mb	2 Mb	2 Mb
Battery Life	Up to 14 months (rechargeable)	Up to 14 months (rechargeable)	Up to 14 months (rechargeable)	Up to 14 months (rechargeable)
Battery Type	1.85A/H Li-ion Polymer	1.85A/H Li-ion Polymer	1.85A/H Li-ion Polymer	1.85A/H Li-ion Polymer
Interfaces	USB, external power supply	USB, external power supply	USB, external power supply	USB, external power supply
Radio	Selectable 16 channels @2,4GHz	Selectable 16 channels @2,4GHz	Selectable 16 channels @2,4GHz	Selectable 16 channels @2,4GHz
Typical Dimensions	(external sensor only)	(external sensor only)	(external sensor only)	(external sensor only)
Certifications & Industry Standards	NIST traceable calibration certificate on 9 points	NIST traceable calibration certificate on 9 points	NIST traceable calibration certificate on 3 points	NIST traceable calibration certificate on 3 points
Applications	Cryogenic freezer	Industrial Oven	Incubator	White room, autoclave, sterilizer

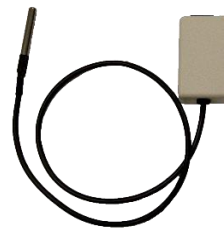
## Accessories



Power Supply



External Sensor



Glycol Sensor



RTD Sensor



**United States**  
Roanoke, VA  
1-888-827-3393

**Canada**  
Anjou, QC  
1-888-423-7251 (QC)  
1-800-667-2532 (BC)

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