

# ***Diligence*** **WiFi**

## Diligence™ RF300 Data Loggers and Comark Cloud

WiFi temperature monitoring with cloud data storage



# Comark Cloud

The easy route to HACCP compliance reporting and quality assurance



## Continuous temperature monitoring, 24 hours a day, 7 days a week

Food safety regulations apply to any operation where food is prepared, cooked, displayed or stored ensuring high quality, fresh food for your customers every time.

Your food safety plan (HACCP) covers the storage of ingredients and finished product, cooking, temporary holding, transport and sanitisation. Managing this can be daunting and time-consuming.

Comark Cloud makes that task of continuously monitoring food service environments easier by providing automated temperature and humidity monitoring, and alerts 24 hours a day, 7 days a week.

It can be used to monitor and report on one location or multi-site operations. No more missed records, no more time consuming paper work!

## Visibility and reporting

Access your Comark Cloud account from wherever you are in the world using any internet enabled device. This could be a PC at the office or at home, an iPad, tablet or mobile phone with a web browser.

All your food service areas can be monitored from freezers, chillers and refrigerators through to cooking and holding temperatures, safe in the knowledge that alerts will notify you if anything does go wrong.

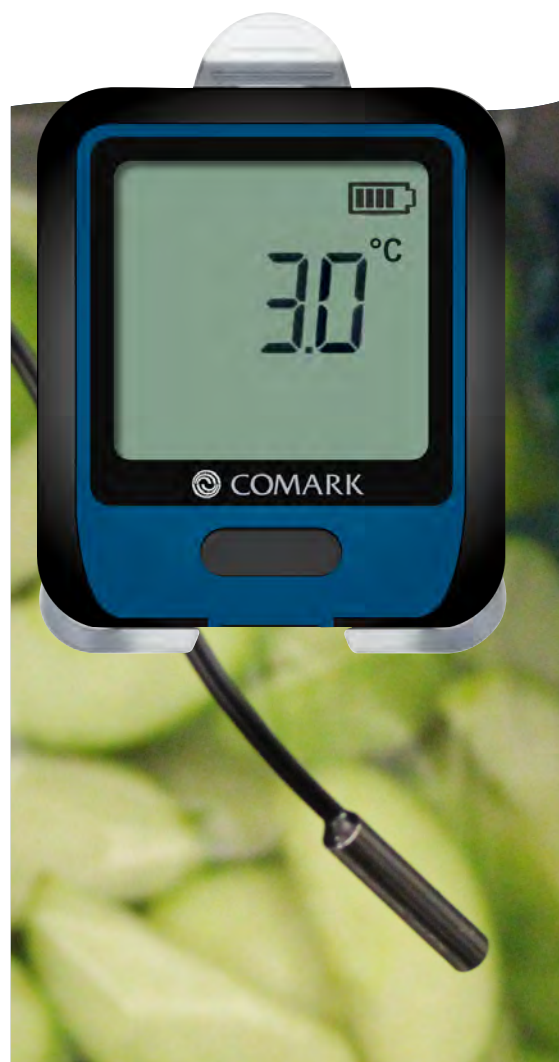
You can receive alerts by email and SMS text\* which enable you take immediate action to prevent the loss of costly stock.

**Diligence™ WiFi data loggers have a large screen display so you can also check locally and see temperature or humidity readings at a glance. Use:**

- **RF311-T** to measure environmental temperatures.
- **RF312-TP** to measure temperature using thermistor probes.
- **RF312 Dual Plus** to measure with two thermistor probes where high accuracy is required. Measure two locations with one logging device.
- **RF312 Glycol** for measurements where a damped sensor is required to moderate rapid fluctuations in temperature.
- **RF313-TH** to measure humidity and temperature.
- **RF314-TC** to measure temperature with thermocouple probes.
- **RF314 Dual** to measure with two probes. Measure two locations with one logging device.
- **RF324** for audible and visual local alarm.

## Use Diligence™ Data Loggers and Comark Cloud to:

- View data via smart phone, tablet or PC
- Receive real time alarms via email and SMS text\*
- Protect your critical assets with cloud based wireless temperature and humidity monitoring



\*via an email to SMS service such as Textmagic.com



## How it works

- **Storage** - monitor temperature and humidity in walk-in and reach-in refrigerators and freezers, to confirm your products are maintained at correct levels to prevent food borne illness occurring.
- **Preparation** - prevent bacterial growth in products during cooking and hot holding by measuring core food temperatures with a Diligence™ WiFi data logger and probe.
- **Sanitation** - check correct dishwasher temperatures are achieved by using a Diligence™ WiFi data logger and probe.
- **Save records** - no manual temperature and humidity checks required, reducing labour time and potential errors in maintaining paper records.
- **Reports** - present and print data in graphical and tabular format. Export data as CSV or PDF files.
- **Secure** - temperature data collected automatically 24/7 via your Comark Cloud account.
- **Alerts** - Real time notification to multiple staff when alarms occur via e-mail and SMS text\* message, 24 hours a day, 7 days a week.



# Diligence™ WiFi and Comark Cloud See in action



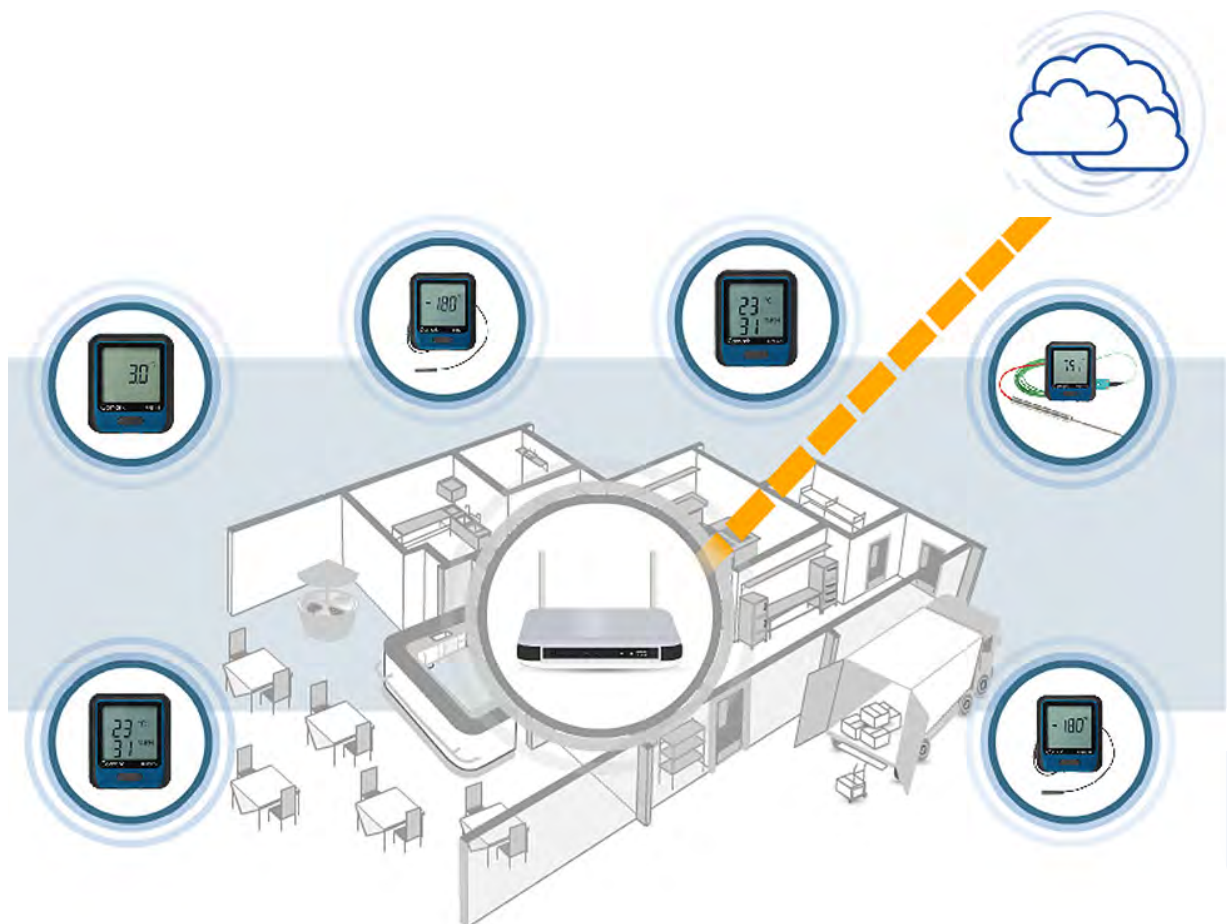
From receipt at the back door to serving safe food to customers

Create a scalable temperature and humidity monitoring system using Diligence™ WiFi loggers coupled with Comark's Cloud data storage.

Temperature monitoring is automated all the way through from receipt of deliveries at the back door through to serving safe food to your customers.

All your equipment such as cold storage rooms, refrigerators, freezers, hot and cold storage cabinets can be monitored round-the-clock and data can be viewed from any internet enabled device.

Alarm notifications immediately alert to any out-of-range temperature or humidity readings so immediate corrective actions can be taken.



# Comark Diligence™ WiFi and Comark Cloud

## Manage, monitor and report on data

Comark Cloud provides complete safety data management for food businesses. All your HACCP data can be managed easily from the dashboard where you can view the most important aspects of your system.



### Quickview Dashboard

Check the most important information and review the system at a glance.

- See favourite data logger status easily
- Review recent data logger events
- View data, and clear alerts
- Quickly navigate to the detail on data loggers, stored data and events



### Data Logger Management

Manage your data loggers from the management screen.

- Search by data logger location, filter by type, or use text-based search
- Quickly access and change data logger settings
- Easily acknowledge and reset alarms devices, data and events



### Advanced Alarms

Never miss a critical event in your system.

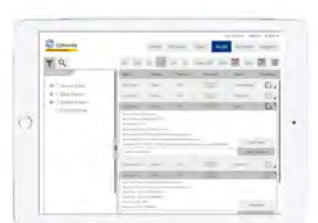
- Notify multiple recipients
- Delay and repeat notifications
- Escalate ignored notification



### Data Analysis and Reporting

Review and analyse your data with powerful graphing functionality:

- Compare data from multiple devices
- Compare data from different time periods
- View data summaries
- Print or export your results



### Detailed Audit Records

Keep track of events and activity with the detailed system and data logger audit trail.

- System records including changes to users, locations and account settings
- Data logger records including changes to settings and events
- Data records including the addition of comments, data export and printing



### Comark Cloud App

Use the Comark Cloud App to access data conveniently using a smartphone or tablet

- Download easily from the App Store or on Google Play.
- Monitor your data loggers on-the-go
- View all data logger data live in a range of format styles
- Receive notifications if a data logger goes into alarm mode

# Comark Diligence™ WiFi RF300 Hardware

## The Data Logger Range



### RF311-T Temperature Data Logger

Measures temperature in the environment in which it is situated.

- Measures the temperature of the environment in which it is situated.
- Temperature range:  
-20 to +60°C / -4 to +140°F
- Supplied with wall bracket and micro USB lead



### RF312-TP Temperature Data Logger with Thermistor Probe

Measures temperature via a thermistor probe.

- Measures temperature using a thermistor probe.
- Temperature range:  
-40 to +125°C / -40°F to +257°F
- Supplied with one removable thermistor probe, wall bracket and micro USB lead



### RF312 Dual Plus Temperature Data Logger with two Thermistor Probes

Measures two temperature points with one device via two thermistor probes.

- Temperature range:  
-40°C to +125°C / -40°F to +257°F
- Supplied with two removable thermistor probes, wall bracket and micro USB lead



### RF312 Glycol Temperature Data Logger

Designed to monitor the temperature of perishable goods using a detachable Glycol buffer probe.

- Temperature range:  
-40°C to +60°C / -40°F to +140°F
- Supplied with high accuracy glycol buffer probe, wall bracket and micro USB lead



### RF313-TH Temperature and Humidity Data Logger

Measures temperature and humidity levels in the environment in which it is situated.

- Temperature range:  
-20°C to +60°C / -4°F to +140°F
- Humidity Range: 0% RH to 100% RH
- Supplied with wall bracket and micro USB lead



### RF314-TC Temperature Data Logger with Thermocouple Probe

Measures temperature via a thermocouple probe.

- Temperature range: -270°C to +1372°C / -454°F to +2501°F
- Sub-miniature connection is compatible with a range of Comark probes
- Supplied with one removable thermocouple probe, wall bracket and micro USB lead



# RF300 Hardware

## The Data Logger Range



### RF314 Dual Temperature Data Logger with two Thermocouple Probes

Measures two temperature points with one device via two thermocouple probes.

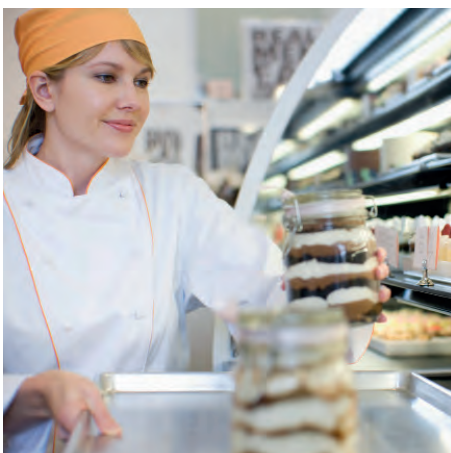
- Temperature range:  $-270^{\circ}\text{C}$  to  $+1372^{\circ}\text{C}$  /  $-454^{\circ}\text{F}$  to  $+2501^{\circ}\text{F}$
- Sub-miniature connection is compatible with a range of Comark probes
- Supplied with removable thermocouple probe, wall bracket and micro USB Lead



### RF324 Alarm Unit

Connects to multiple Diligence™ WiFi data loggers via WiFi network

- Flashing red LED's light up through translucent red rear moulding
- Configurable alert tones and volume



## Contact Us

We understand there are times when our customers may need guidance on the best solution for their requirements. If you would like further information or to discuss your temperature monitoring application, please contact our customer service department who will be pleased to assist.

**We are here to help so  
please contact us on:**

**Telephone:**

**+44 (0) 207 942 0712**

**Email:**

**[sales@comarkinstruments.com](mailto:sales@comarkinstruments.com)**

**Website:**

**[www.comarkinstruments.com](http://www.comarkinstruments.com)**

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### Comark Instruments

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## Warranty Statement

Each Comark product is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is one (1) year, unless otherwise stated, and the warranty period begins on the date of shipment. Temperature probes are warranted for six (6) months.

The warranty extends only to the original buyer or end-user of a Comark authorized reseller. This warranty does not cover damage resulting from normal wear and tear, abuse, misuse, accidental breakage, negligence, defects caused by modifications, repair and servicing not made or authorised by Comark Instruments, damage caused by handling, operating, storing, or using the product outside the intended uses described by our product literature. Disposable batteries are also exempt from warranty.

Warranties on dishwasher safe models apply only where the product has been used or cleaned in a commercial dishwasher. Comark Instruments products are not suitable for use or cleaning in domestic dishwashers.

Comark's warranty obligation is limited, at Comark's option, to refund of the purchase price, free of charge repair, or replacement of a defective product returned within the warranty period. Products must be returned to Comark or one of Comark's authorized service agents.

This warranty is the buyer's sole and exclusive remedy and is in lieu of all other warranties, express or implied, including but not limited to any implied warranty of fitness for a particular purpose. Comark shall not be liable for any special, indirect, incidental or consequential damages or losses, including loss of data, whether arising from breach of warranty or based on contract, tort, reliance or any other theory. Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warrant may not apply to every buyer.