



COMARK

A Fluke Company

Diligence **WiFi**

Diligence RF300 Data Loggers and Comark Cloud

WiFi temperature monitoring with cloud data storage



The Professionals' Choice

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 paperwork!

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. The Comark Cloud supports IE7 and above, and the latest Chrome, Firefox and Safari browsers.

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 smartphone, tablet or PC
- Receive real time alarms via email and SMS text*
- Protect your critical assets with cloud based wireless temperature and humidity monitoring
- Free data storage on the Comark Cloud for 1 year



*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 free 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. The RF324 Alert unit flashes locally as an additional warning to check facilities monitored by the Diligence WiFi data logging network.



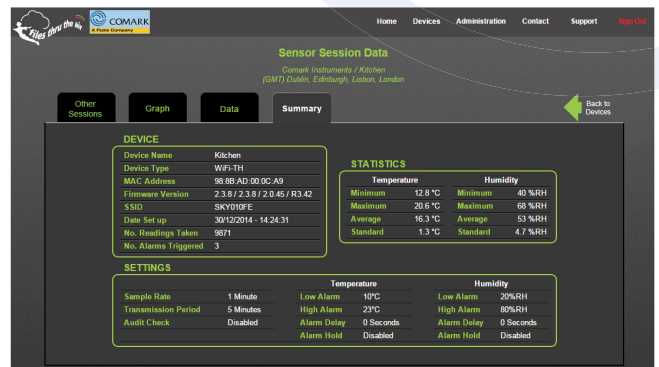
Comark Diligence WiFi and Comark Cloud

Manage, monitor and report on data



RF300 Transmitter List

View the status of transmitters in your network



RF300 Transmitter Summary

View details of an individual transmitter



Temperature Data - Graph Format

Date/Time	Temperature	Humidity
06/01/2015 10:46:51	18.0°C	54%RH
06/01/2015 10:45:51	18.0°C	54%RH
06/01/2015 10:44:51	18.0°C	54%RH
06/01/2015 10:43:51	18.0°C	54%RH
06/01/2015 10:42:51	18.0°C	54%RH
06/01/2015 10:41:51	18.0°C	54%RH
06/01/2015 10:40:51	18.0°C	54%RH
06/01/2015 10:39:51	18.0°C	54%RH
06/01/2015 10:38:51	18.0°C	54%RH
06/01/2015 10:37:51	18.0°C	54%RH
06/01/2015 10:36:51	18.0°C	54%RH
06/01/2015 10:35:51	18.0°C	54%RH
06/01/2015 10:34:51	18.0°C	54%RH

Temperature Data - Tabular Format

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:
-4 to +140°F / -20 to +60°C
- 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°F to +257°F / -40 to +125°C
- 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 measurement range:
-40°F to +257°F / -40°C to +125°C
- 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 measurement range:
-40 to +257°F / -40 to +125°C
- 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: -4°F to +140°F / -20°C to +60°C
- 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 thermistor probe.

- Temperature range: -454°F to +2372°F / -270°C to +1300°C
- 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

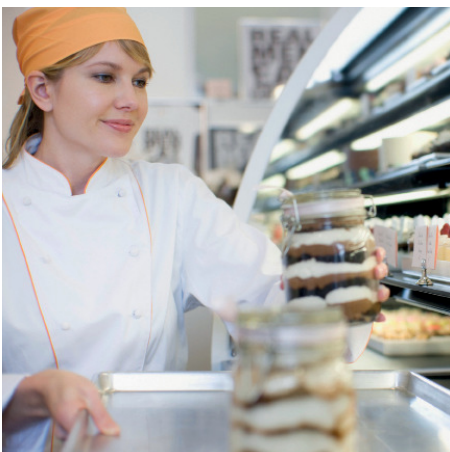
Measures two temperature points with one device via two thermocouple probes.

- Temperature range: -454°F to $+2372^{\circ}\text{F}$ / -270°C to $+1300^{\circ}\text{C}$
- 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:
(800) 555 6658

Email:
sales@comarkusa.com

Website:
www.comarkusa.com

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Warranty Statement

All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty for temperature probes is six months and all other probes are unwarranted because the conditions of use are beyond our control.

The Comark Warranty covers manufacturing defects and component failure and applies worldwide. In line with our policy of continuous development, we reserve the right to alter any product specification without notice.

Comark has an accredited UKAS (NIST equivalent) calibration laboratory for temperature and humidity measurement and offers full service and recalibration facilities.