



Use Comark Cloud to manage and store temperature and humidity data on-line.

- Monitor multiple sites
- View on mobile devices
- Have multiple users
- Receive email alerts when alarms occur or if a device needs attention
- NEW Cloud App for easy logger set up

# Diligence **WiFi** Comark RF311-T Temperature Data Logger

The Diligence™ WiFi RF311-T data logger measures and records the temperature of the environment in which it is situated via an internal sensor.

Comark offers two options for managing the data collected with Diligence WiFi data loggers:

- Diligence WiFi software for set up, data logging and data review on a local PC. Set up features include data logger name, choice of °F or °C scale, sample rate and high/low alarms.
- Comark Cloud has the same features as Diligence WiFi software and in addition offers unlimited storage of your temperature and humidity records. Data can be viewed for multiple locations from anywhere in the world using any internet enabled device.

The collected temperature data is transmitted via your WiFi network and when configured, the data logger can be placed anywhere within range of the WiFi network. Alarm notifications sent in real time by email and text message.

If connectivity is temporarily lost, the data logger will continue to log readings until it can communicate again with Diligence WiFi software or Comark Cloud (maximum of 30 days at a 10 second sample rate). The range of the data logger can be extended using WiFi extenders.

The Diligence WiFi RF311-T data logger is a low powered battery device. Battery life is typically 3 to 6 months\* depending on transmission rate. The battery can be recharged via a PC or by mains power using the RF320/US power supply unit, which is available as an accessory.

## Features

- Measurement range -4°F to +140°F
- Rechargeable internal lithium polymer battery
- Easy data logger set-up using PC software application or the Comark Cloud App
- Temperature data logger with WiFi capability and integrated display
- Transmits data via your local WiFi network
- Temperature selection in °F or °C
- Data can be viewed via the graphing tool or can be exported to MS Excel
- Configurable high and low alarms with indicator
- Max and Min readings
- IEEE 802.11b/g/n compliant
- Protection rating IP55
- Memory stores data even if WiFi is temporarily disconnected
- Fully featured LCD segment display
- Low battery indicator
- WiFi connection indicator
- USB port used for recharging (can only be recharged when the unit is between +32°F to +104°F)
- Supplied with Wall Bracket and Micro USB lead

\*Please refer to specification for details



A Fluke Company



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Comark Instruments

P.O. Box 500
Beaverton, OR 97077, USA
Tel: +1 (503) 643 5204
Toll Free: (800) 555 6658
Email: sales@comarkusa.com

Comark Instruments

52 Hurricane Way
Norwich, Norfolk, NR6 6JB
United Kingdom
Tel: +44 (0) 207 942 0712
Email: sales@comarkinstruments.com



Comark RF311-T
Temperature Data Logger

Specifications

Table with 2 columns: Specification Name and Value. Includes Battery Life, USB Supply Voltage, Temperature Measurement Range, Resolution, Temperature Accuracy, Logging Rate, Transmission Period, Operating Temperature Range, Logger Dimensions, Protection Rating, Wireless Technology, Temperature Selection, and WiFi Compliance.

For more details of the Diligence WiFi range, please see www.comarkusa.com

\*Battery Life and Power Supply

The product will arrive partly charged and ideally should be charged for 24 hours before use for optimum performance. The battery can be recharged via a PC, a USB +5V wall adapter RF320 (US/UK), or a portable USB battery pack using the USB lead provided.

Battery life is dependent on: transmission period, WiFi encryption method, WiFi encryption key rotation frequency (determined by the router/access point), signal strength between router/access point and WiFi device, presence volume and type of WiFi traffic from other devices, sample rate and operating temperature.

Warranty

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.

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.

Warranties on dishwasher safe models apply only where the product has been used 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.

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