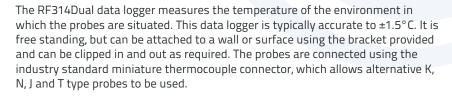






Comark RF314DUAL

Dual channel data logger via two external thermocouple probes



The thermocouples can be used in a wide range of extreme temperature situations e.g. manufacturing processes, cold storage and hot storage.

Data is streamed wirelessly to either the Comark Cloud or a local PC. During configuration the data logger will search for an existing wireless network whilst physically connected to the PC. Once connected it can then be placed anywhere within range of the network. If the data logger temporarily loses connectivity with the network or PC, it will log readings until the connection is re-established (max 30 days at 10 second sample interval).

Although the Diligence WiFi data loggers have an impressive range this can be increased by using WiFi extenders.

The RF314Dual is a low power device containing a rechargeable battery. When configured using typical sample and transmit periods the data logger can operate for up to six months. The battery can be recharged via a standard +5V wall adapter or a USB port using the cable provided.

The LCD display includes several features including Max and Min readings and indicators for battery state, alarms, WiFi connection and signal strength.

With our free PC software you can choose to store your logger data either locally on a single PC, or make it universally accessible on the Comark Cloud. Whichever you choose, you'll be able to analyse data, draw graphs and export the latest and historic data in various formats.

You can change the data logger's settings to suit your needs, options include:

- Assigning names to the data logger and each measuring channel
- Selecting the units of measurement
- Choosing the sample rate and transmission period
- Setting high and low alarm levels for each channel

Once configured, data logger settings can be changed remotely, without the need to reconnect it to your PC.

The RF314Dual has a protection rating of IP40. The data logger is IEEE 802.11g compliant, supports WEP, WPA/WPA2 encryption and enterprise networks*.

*MS-CHAPv2, PEAP, EAP-FAST, EAP-TTLS



Features

- Dual channel recording through two external thermocouple probes
- Wirelessly stream and view data on the Comark Cloud or
- Data logger set up is easy using our free PC software
- View and analyze multiple data loggers, including graphing of historic data
- Measures temperature range of -270 to +1372°C / -454°F to 2501°F (probe dependent)
- Configurable high and low alarms with indicator
- Data logger memory stores data even if WiFi is temporarily disconnected



A Fluke Company





For Sales & Service Contact



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Authorised Comark Distributor for Ireland & Northern Ireland





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Specifications

Sensors	Thermocouple (K, N, J, T)		
Battery Life 3-6 mont	hs depending on frequency of transmissions*		
USB supply voltage	4.5 to 5.5 Vdc		
Operating temperature range	-20°C to +60°C / -4°F to +140°F		
Logging period (user configurable)	10 seconds to 12 hours (Typical 10 minutes)		
Transmission period (user configurable)	1 minute to 24 hours (Typical 1 hour)		
Temperature measurement range	-270 to +1372°C / -454°F to 2501°F		
Temperature measurement resolution	0.01°C / 0.02°F		
Temperature display resolution	0.01°		
Temperature accuracy (instrument)	±1.5°C /±3°F		

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

Probes (sold separately) - see www.comarkinstruments.com for details

Part No	Description	Sensor Type	Lead Length
AK28M	Flexible Air Probe	К	1 metre
AK29M	Flexible Air Probe	К	5 metres
AK31M	Flexible Air Probe	К	10 metres
PK23M	Oven/Meat Penetration Probe	К	2.5 metres
SK29M	Clamp Probe with Velcro Strap	К	2.5 metres

*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 (UK/US), or a portable USB battery pack using the USB lead provided. When charging the unit must be operating between 0°C to +40°C / +32°F to 104°F. The data logger can also be permanently powered by the RF320 USB wall adapter. Readings may be affected while the internal battery is being charged. However, once charged, continued connection of the charger will have no effect.

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. 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 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.

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