

RF314-TC Temperature Data Logger with Probe

New!

The **Diligence™ WiFi** RF314-TC data logger measures and records temperature via a range of **Comark** thermocouple probes. The probe can be used in a wide range of temperature situations such as measuring core food temperatures during cooking and in hot holding cabinets or wells.

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 °C or °F 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 from 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.

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 120 days at a 10 second sample rate). The range of the data logger can be extended using WiFi extenders.

The **Diligence WiFi** RF314-TC data logger is a low powered battery device. Battery life is typically > 6 months depending on transmission rate. The battery can be recharged via a PC or by mains power using the RF320/UK power supply unit, which is available as an accessory.



Standard probe included

Features

- Measurement range -270°C to +1300°C (-454°F to +2372°F) (probe dependent)
- Rechargeable internal lithium polymer battery
- Easy data logger set-up using free PC software application (download from www.comarkinstruments.com/software)
- Supports J, K, N, T type probes
- Data can be viewed via the graphing tool or can be exported to Microsoft Excel™
- Configurable high and low alarms with indicator
- Max and Min readings
- View and analyse multiple data loggers using the PC application, including immediate graphing of historic data
- 802.11b compliant
- Memory stores all data even if WiFi is temporarily disconnected
- IP rating on main unit IP44, probe IP67
- Fully featured LCD segment display
- Low battery indicator
- WiFi connection indicator
- USB port used for recharging and initial set up
- Supplied with removable type K thermocouple probe, wall bracket and micro USB lead

Comark Instruments' Cloud service makes your data universally accessible from any internet enabled device.

Manage your devices and make changes to any data logger settings remotely, including changing alarm levels.

With the Cloud service you can:

- Store 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

Contact Comark Instruments for more details



Technical Specification

RF314-TC Temperature Data Logger with Probe



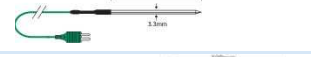

Specifications	Minimum	Typical	Maximum	Unit
Battery life		>6		Months*
USB supply voltage	4.5V	5V	5.5V	V d.c.
Operating temperature range	-20°C (-4°F)		+60°C (+140°F)	°C (°F)
Logging rate (user configurable)	10 seconds	10 minutes	12 hours	seconds, minutes, hours
Transmission period (user configurable)	1 minute	1 hour	24 hours	seconds, minutes, hours
Temperature measurement range (probe dependent)	-270°C (-454°F)		+1300°C (+2372°F)	°C (°F)
Temperature measurement resolution		0.1°		°C (°F)
Temperature display resolution -99.9°C to +999.9°C (-148°F to +1832°F)		0.1°		°C (°F)
Temperature accuracy (probe dependent)		±1.5°C (±2.7°F)		°C (°F)
Supplied Probe Specifications (Ktype)				
Temperature accuracy		±1.5°C (±1.8°F)		°C (°F)
Temperature range	-50°C (-58°F)		+250°C (+482°F)	°C (°F)

* Depending on frequency of transmissions

Order Part Number: RF314-TC Oracle Part Number: 4380233

Logger Dimensions	mm
Height	97.3
Width	71.3
Depth	26.4

Probe Dimensions	mm
Length	100.0
Width	5.0
Lead length	1500.0

Optional Probes	
	AK28M Flexible Wire Air Probe Lead: 1 m Range: -100°C to +250°C
	AK29M Flexible Wire Air Probe Lead: 5 m Range: -100°C to +250°C
	PK20M Oven-Meat Penetration Probe Lead: 1.5 m Range: -50°C to +250°C
	PK23M Oven Probe Lead: 2.5 m Range: -50°C to +250°C

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WARRANTY

All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty period for temperature probes is for six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control. The Comark warranty covers manufacturing defects and component failures on all products returned to Comark premises and applies worldwide. The warranty does not affect your statutory rights. In line with our policy of continuous development we reserve the right to alter any product specifications without notice. All products are covered by our Quality Management System which is compliant with BS EN ISO 9001:2008 for the design, manufacture, supply, service, repair and recalibration of electronic measuring instruments and equipment.

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