

RF312-TP Temperature Data Logger with Probe

New!

The RF312-TP data logger measures the temperature of the environment in which the probe is situated. Data is transmitted wirelessly via a WiFi network to a PC and viewed using free software available to download from www.comarkinstruments.com. During configuration the data logger will search for an existing wireless network while physically connected to the PC. It can then be placed anywhere within range of the network. If the data logger temporarily loses connectivity with the network, it will log readings until it is able to communicate again with the PC application (max 120 days at 10 second sample interval). The range of the data logger can be increased by using WiFi extenders.

The RF314-TP data logger is supplied with a thermistor probe and can be used with a range of probes from Comark Instruments in a variety of temperature situations such as walk-in and reach-in freezers and refrigerators, blast chillers, hot and chilled food storage cabinets.

The RF314-TC is a low powered battery device with a battery life of 3 months to one year, depending on transmission rate. The battery can be recharged via a PC or by mains power using the RF320* power supply unit, which is available as an accessory.

Features

- Measurement range -40 to +125°C (-40 to +257°F)
- Rechargeable internal lithium polymer battery
- Easy data logger set-up using free PC software application (downloadable from www.comarkinstruments.com)
- Temperature data logger with thermistor probe
- Temperature selection in °C or °F
- Data can be viewed via the graphing tool or can be exported to Excel
- Configurable high and low alarms with indicator
- Wireless connectivity to PC via WiFi
- Max and Min readings
- 802.11b compliant
- Protection rating IP55
- Capable of logging greater than 1 million data entries
- Memory stores all 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 0 to +40°C (+32 to +104°F))
- Firmware upgradable via USB (Downloadable from www.comarkinstruments.com)
- Supplied with removable thermistor probe, micro USB lead & wall bracket



More information from:

Comark Instruments

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* RF320 Power Supply Part Numbers:
RF320/UK - UK
RF320/EU - International
RF320/US - USA

Technical Specification

RF312-TP Temperature Data Logger with Probe

Specifications	Minimum	Typical	Maximum	Unit
Battery life	3		12	Months*
USB supply voltage	4.5V	5V	5.5V	V d.c.
Probe Temperature measurement range	-40°C (-40°F)		+125°C (+257°F)	°C (°F)
Internal resolution		0.1°		°C (°F)
Probe temperature accuracy -10 to +70°C (+14 to +158°F)		±0.6°C (1.1°F)		°C (°F)
Probe temperature accuracy -40 to +125°C (-40 to +257°F)		±1.0 °C(1.8°F)		°C (°F)
Probe clip operating temperature range	-40°C (-40°F)		+100°C (+212°F)	°C (°F)
Logging rate (user configurable)	10 seconds	30 seconds	12 hours	
Transmission period (user configurable)	1 minute	1 hour	12 hours	
Operating temperature range	-20°C (-4°F)		+60°C (+140°F)	°C (°F)

* Depending on frequency of transmissions

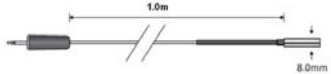
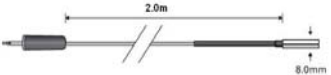


Order Part Number: RF312-TP Oracle Part Number: 4365202

Logger Dimensions	mm
Height	97.3
Width	71.3
Depth	26.4

Probe Dimensions	
Length	25.0 mm
Width	5.0 mm
Lead length	1 metre

The software installed on the PC will allow set-up, data logging and data review. Set-up features will include data logger name, °C/°F, sample rate, and high/low alarms. Once configured, historic data can be viewed via the graphing tool or exported to Excel.

This data logger stands alone by itself on a horizontal surface and comes with a wall bracket that can be screwed onto a wall or flat surface. The data logger clips into the bracket.

Optional Probes	
	RFAX100J Air Probe with 1m lead
	RFAX200J Air Probe with 2m lead
	RFPX100J Penetration Probe with 1m lead
	RFPX200J Penetration Probe with 2m lead

Distributed by:

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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