Diligence WiFi

COMARK
A Fluke Company

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.comarkusa.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 probe can be used in a wide range of temperature situations such as walk-in and reach-in freezers and refrigerators, blast chillers, hot and chilled food storage cabinets.

This RF312-TP 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/US power supply unit, which is available as an accessory.

Features

- Measurement range -40°F to +257°F (-40°C to +125°C)
- Rechargeable internal lithium polymer battery
- Easy data logger set-up using free PC software application (downloadable from www.comarkusa.com)
- Temperature data logger with thermistor probe
- Wireless connectivity to PC via WiFi
- View and analyze multiple data loggers using the PC application, including immediate graphing of historic data
- 802.11b compliant
- Capable of logging greater than 1 million data entries
- Memory stores all data even if WiFi is temporarily disconnected
- Main unit IP55, probe IP67
- Configurable high and low alarms with indicator
- Max & Min readings
- Low battery indicator
- WiFi connection indicator
- USB port used for recharging and initial Setup
- Supplied with removable thermistor probe, micro USB lead & wall bracket

More information from:

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Technical Specification

RF312-TP Temperature Data Logger with Probe

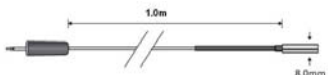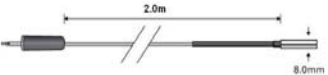| Specifications	Minimum	Typical	Maximum	Unit
Battery life	3		12	Months*
USB supply voltage	4.5v		5.5v	V d.c.
Probe Temperature measurement range	-40°F (-40°C)		+257°F (+125°C)	°F (°C)
Internal resolution		±0.1°		°F (°C)
Probe temperature accuracy +14 to +158°F (-10 to +70°C)		±1.1°F (0.6°C)		°F (°C)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

* Depending on frequency of transmissions

Logger Dimensions	Inches	mm
Height	4	97.3
Width	3	71.3
Depth	1	26.36

Probe Dimensions	Inches	mm
Length	1	25.0
Width	2	5.0
Lead length	36	1000

The software installed on the PC will allow set-up, data logging and data review. Set-up features will include data logger name, °F/°C, 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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