

## RF313-TH Temperature & Humidity Data Logger

**New!**

The RF313-TH data logger measures and records temperature and humidity via internal sensors.

Diligence WiFi software will allow set up, data logging and data review. Set up features include data logger name, choice of °F or °C scale, sample rate and high/low alarms.

The collected temperature and humidity data is transmitted via a WiFi network to a PC and viewed via the graphing tool. Data can also be exported to Excel.

During configuration, the data logger will search for an existing wireless network while physically connected to the PC. The data logger can then be placed anywhere within range of the network. If it temporarily loses connectivity with the network, the data logger 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.

This RF313-TH is a low powered battery device with a battery life of three 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 from -4°F to +140°F (-20°C to +60°C)
- Humidity measurement range from 0 to 100%
- Rechargeable internal lithium polymer battery
- Easy data logger set-up using free PC software application (downloadable from [www.comarkusa.com](http://www.comarkusa.com))
- Temperature selection in °F and °C
- 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
- View and analyze multiple data loggers using the PC application, including immediate graphing of historic data
- Memory stores all data even if WiFi is temporarily disconnected
- 802.11b compliant
- IP rating IP55
- Fully featured LCD segment display
- Low battery indicator
- WiFi connection indicator
- USB port used for recharging and initial set up
- Supplied with wall bracket and micro USB lead

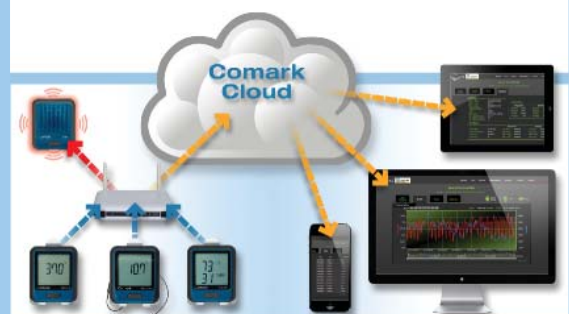
Comark Instruments' Cloud service makes your data universally accessible from any internet enabled device.

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

## RF313-TH Temperature & Humidity Data Logger

Specifications	Minimum	Typical	Maximum	Unit
Battery life	3		12	Months*
USB supply voltage	4.5v	5v	5.5v	V d.c.
Temperature measurement range	-4°F(-20°C)		+140°F (+60°C)	°F (°C)
Humidity measurement range	0 %RH		100 %RH	%RH
Temperature internal resolution		±0.18°F (±0.1°C)		°F (°C)
Humidity internal resolution		1.0 %RH		%RH
Temperature accuracy - overall error between 32°F and +140°C (0°C and +60°C)		±0.5°F (0.3°C)	±2.1°F (1.2°C)	°F (°C)
Humidity accuracy - overall error between 20%RH and 80%RH		±2.0 %RH	±3.0 %RH	%RH
Logging rate (user configurable)	10 seconds	10 minutes	12 hours	Transmission 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

Order Part Number: RF313-TH Oracle Part Number: 4365216

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

### 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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