

# THERMADATA® WIFI LOGGERS FOR TEMPERATURE

- Email alerts user when alarm limits are exceeded
- Access temperature data worldwide via internet
- NO ongoing or subscription charges
- Programmable high/low alarm

The ThermaData WiFi loggers utilise the latest WiFi wireless technology. The loggers are a battery powered, cost-effective, temperature monitoring system that remotely records the temperature of appliances and buildings. Each logger transmits the recorded data to a WiFi router connected to the internet which can be accessed and viewed from a PC, laptop or tablet anywhere in the world.

The loggers have a range limited to the specification of the users WiFi router. Each logger has an intuitive LCD displaying; temperature, WiFi and internet connection status, max/min recorded temperatures, alarm status and battery life.

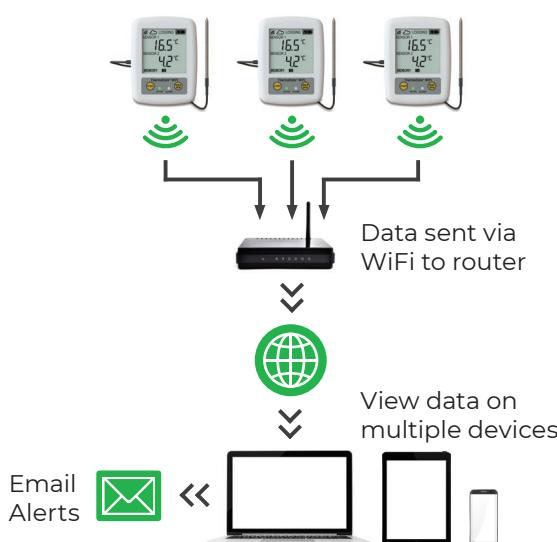
At programmable intervals, the loggers will record temperature from both sensors, recording up to a maximum of 18000 readings (9000 from each sensor). Each logger incorporates a red and green LED. The flashing green LED indicates that the logger is active/logging and the flashing red LED indicates that the customised preset alarms have been exceeded. Each logger communicates directly to the WiFi router at set intervals to push data through the internet into ThermaData Studio. The information is available to be analysed and exported into a report format. Each unit is supplied with a USB lead and FREE wall bracket ThermaData Studio software is available to download FREE from our website and is licence free, no ongoing or subscription charges.



## HOW DOES THE THERMADATA WIFI LOGGER WORK?

Using the unique ID of each logger ThermaData Studio creates a secure connection between logger and software, which can be accessed and viewed anytime and anywhere with an internet connection. Each logger communicates directly to the WiFi router at set intervals to push data through the internet into ThermaData Studio. The information is available to be analysed and exported into a report format.

Simple setup & easy to use software makes  
the ThermaData WiFi loggers perfect  
for HACCP analysis



## THERMADATA STUDIO SOFTWARE

Both powerful and sophisticated, yet user-friendly, the ThermaData Studio software enables temperature data to be organised and analysed to provide management information.

The ThermaData Studio software has the ability to display up to 32 traces on a graph, the trace colours are user selectable. All files can be viewed as thumbnail icons for easy identification.

The software allows the user to programme the logging sample/interval rate (0.1 to 330 minutes), communication interval (sync) with PC, real-time clock, °C or °F and a manual start option. It is also possible to include a user ID for each logger.

Please note: WiFi routers have a range of 100 metres depending on the make, model, capabilities and setup of the router.  
Environmental conditions may also affect the signal strength.

## THERMADATA® WIFI ONE/TWO CHANNEL THERMISTOR LOGGERS

The ThermaData® WiFi thermistor loggers can be supplied with one internal sensor or a stainless steel general purpose probe ( $\varnothing 3.3 \times 100$  mm) with a one metre PUR/PVC fixed lead. **Please Note:** Model TD1F is supplied with one external remote probe and an internal sensor. Model TD2F is supplied with two external remote probes.

Specification	TD	TD1F	TD2F
Range - internal	0 to 50 °C	0 to 50 °C	N/A
Range - external	N/A	-40 to 125 °C	-40 to 125 °C
Resolution	0.1 °C/F		
Accuracy	$\pm 0.5$ °C		
Memory	18000 readings	2 x 9000 readings	
Sample rate	0.1 to 330 minutes		
Battery & life	2 x 1.5 volt AA - approximately 1 year		
Display	12 mm LCD/2 LED's		
Dimensions	29 x 72.5 x 96 mm		
Weight	165 grams model dependant		
FREE traceable certificate of calibration included			



Order code	Description
298-001	Model TD
298-011	Model TD1F*
298-111	Model TD2F*
830-880	Protective boot - black
*Inclusive of thermistor probe(s)	

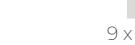
## THERMADATA® WIFI TWO CHANNEL THERMOCOUPLE LOGGERS

The ThermaData® WiFi thermocouple loggers are available in two sensor types, type K and type T thermocouple. **Please Note:** Each logger is supplied exclusive of probes, see below for a small selection of probes available or for alternative designs see pages 75 to 81.

Specification	ThermaData WiFi - Thermocouple
Range - type K	-100 to 1372 °C
Range - type T	-100 to 400 °C
Resolution	0.1 °C/F to 999.9 thereafter 1 °C/F
Accuracy	$\pm 0.4$ °C $\pm 0.1$ % of reading
Memory	2 x 9000 readings
Sample rate	0.1 to 330 minutes
Battery & life	2 x 1.5 volt AA - approximately 1 year
Display	12 mm LCD/2 LED's
Dimensions	29 x 72.5 x 96 mm
Weight	165 grams
FREE traceable certificate of calibration included	



Order code	Description
298-121	Model TD2TC - type K
298-721	Model TD2TC - type T
830-800	Magnetic mount
830-880	Protective boot - black
Exclusive of thermocouple probes	

		Order code
<b>GENERAL PURPOSE PROBE</b>   	This stainless steel probe is suitable for a wide range of applications. Supplied with a one metre PTFE insulated lead and connector. • Response time less than 5 seconds • Probe temperature range -75 to 250 °C	133-158
<b>FOOD SIMULANT PROBE</b>   	This polypropylene simulant probe is designed for use in refrigeration, food storage and chill cabinets. Supplied with a one metre PTFE insulated lead and connector. • Probe temperature range -20 to 100 °C	133-350
<b>HEAVY DUTY PTFE WIRE PROBE</b>   	This heavy duty, PTFE insulated wire probe is ideal for measuring the air temperature in fridges, freezers, ovens etc. • Response time less than 1 second • Probe temperature range 75 to 250 °C	133-372 (1000 mm) 133-373 (2000 mm)

**Please note:** for type T thermocouple probes, replace the third digit (3) of the order code with the number 7

# THERMADATA® PHARM WIFI LOGGERS

- External sensor(s) designed to simulate fridge contents temperature
- FREE software with NO ongoing or subscription charges
- Access recorded data worldwide via internet
- High/low alerts via email

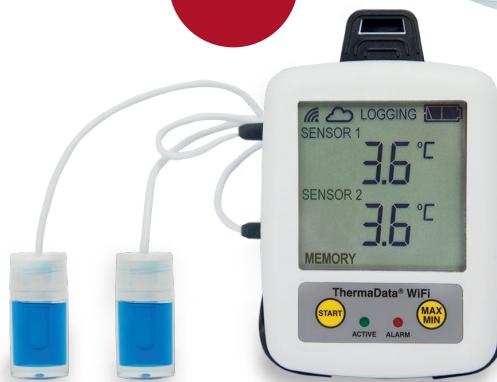
**new**

The ThermaData Pharm WiFi loggers are a battery powered, cost-effective, temperature monitoring system that remotely records storage and transportation temperatures of perishable items such as food, vaccines and medication.

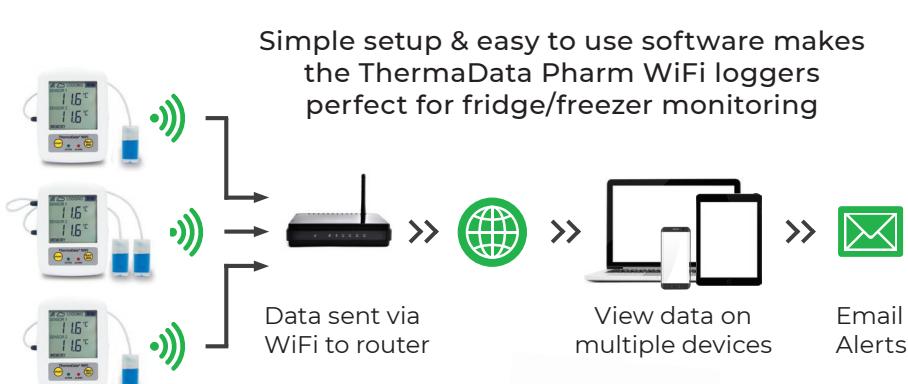
Each logger has an intuitive LCD displaying; temperature, WiFi connection status, max/min recorded temperatures, alarm status and battery life. Simple to set up, the logger once up and running will transmit recorded data to a WiFi router connected to the internet which can then be accessed and viewed from a PC, laptop or tablet anywhere in the world.

At programmable intervals, the loggers will record temperature from both sensors, recording up to a maximum of 18000 readings (9000 from each sensor). Each logger incorporates a red and green LED. The flashing green LED indicates that the logger is active/logging and the flashing red LED indicates that the customised preset alarms have been exceeded. Each logger communicates directly to the WiFi router at set intervals to push data through the internet into ThermaData Studio. The information is available to be analysed and exported into a report format. Each unit is supplied with a USB lead and free wall bracket ThermaData Studio software is available to download FREE from our website and is licence free, no ongoing or subscription charges.

Each thermistor probe is encased in a sealed bottle and incorporates a one metre PUR/PVC fixed lead. To begin monitoring, simply unscrew and top up with Glycol solution (50 ml bottle supplied). **Please Note:** Model TD1F Pharm is supplied with one external remote probe and an internal sensor. Model TD2F is supplied with two external remote probes. For more information contact our sales office.



REMOTE MONITORING



Magnetic mount (830-800)



## Order code Description

298-011-PHM	Model TD1F c/w Pharm probe
298-111-PHM	Model TD2F c/w Pharm probes
830-880	Protective silicone boot - black
832-590	ABS wall bracket
830-800	Magnetic mount
816-035	Replacement Glycol solution - 50 ml

Inclusive of thermistor probe(s) & USB lead

Specification	Model TD1F	Model TD2F
Range - internal	0 to 50 °C	N/A
Range - external	-40 to 70 °C	-40 to 70 °C
Resolution	0.1 °C/F	
Accuracy	±0.5 °C	
Memory	2 x 9000 readings	
Sample rate	0.1 to 330 minutes	
Battery & life	2 x 1.5 volt AA - approx. 1 year	
Display	12 mm LCD/2 LED's	
Dimensions	29 x 72.5 x 96 mm	
Weight	165 grams	

FREE traceable certificate of calibration included

Please note: WiFi routers have a range of 100 metres depending on the make, model, capabilities and setup of the router.  
Environmental conditions may also affect the signal strength.

# THERMAGUARD® PHARM THERMOMETER



- External sensor(s) designed to simulate fridge contents temperature
- Two models available - single or dual external sensors
- Optional UKAS Calibration Certificate available
- Programmable high/low audible alarm

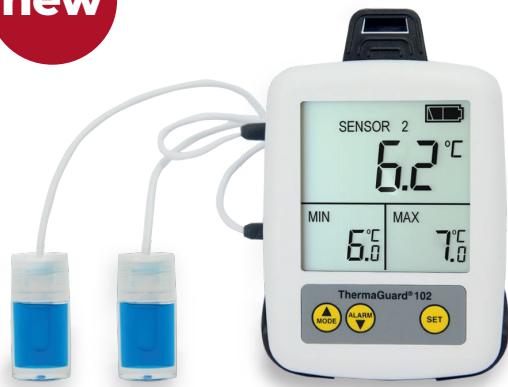
**new**

The ThermaGuard Pharm has been specifically designed for use in monitoring the storage and transportation temperatures of perishable items such as food, vaccines and medication. Each thermometer features a large LCD display, which simultaneously displays the current and max/min recorded temperatures.

Both units feature programmable audible alarms allowing the user to preset high and low temperature limits. When the alarm is active the LCD will flash. The alarm can be silenced by pressing any button.

Housed in a splashproof IP54 ABS case, which includes Biomaster Antimicrobial Technology to reduce bacterial growth, both ThermaGuard Pharm models feature a CalCheck 0.0 °C ( $\pm 0.1^\circ\text{C}$ ) function that allows the user to verify the accuracy of the thermometer at any time, giving confidence that measurements are accurate.

Each thermistor probe is encased in a sealed bottle. To begin monitoring, simply unscrew and top up with Glycol solution (50 ml bottle supplied).



0601

- Two models available with optional UKAS Certificate of Calibration**

The ThermaGuard Pharm 101 incorporates two temperature sensors; a remote water resistant thermistor probe with a one metre PVC lead for monitoring the product temperature and an internal sensor to monitor room temperature. The ThermaGuard 102 incorporates two remote water resistant thermistor probes, both with one metre PVC leads for monitoring dual applications. An optional two-point UKAS Certificate of Calibration is available. Each certificate indicates deviations from standards at -18 and 0 °C.

- FREE wall bracket included**

Each ThermaGuard is supplied with an ABS plastic wall bracket that incorporates a built-in foot stand, hook for hanging and screw thread for tripod mounting.



Order code	Description
226-911	ThermaGuard Pharm 101
226-921	ThermaGuard Pharm 101 & UKAS Cert
226-912	ThermaGuard Pharm 102
226-922	ThermaGuard Pharm 102 & UKAS Cert
830-880	Protective silicone boot - black
832-590	ABS wall bracket
830-800	Magnetic mount
816-035	Replacement Glycol solution - 50 ml

UKAS certificate applies to remote probe(s) only

#### OPTIONAL ACCESSORIES:

- Protective silicone boot (830-880)
- Replacement Glycol solution 50 ml (816-035)
- Magnetic mount (830-800)



Specification	ThermaGuard Pharm
Range - internal	-19.9 to 49.9 °C (101 model only)
Range - external	-39.9 to 49.9 °C
Resolution	0.1 °C/F
Accuracy	$\pm 0.4^\circ\text{C}$
Battery	2 x 1.5 volt AA
Battery life	25000 hours (without alarm)
Sensor type	Thermistor
Display	Custom LCD
Dimensions	29 x 73 x 96 mm
Weight	165 grams
Optional UKAS certificate of calibration available	

REMOTE MONITORING

# THERMADATA® WIFI LOGGER FOR HUMIDITY

- Simultaneously displays humidity & temperature
- Records up to a maximum of 18000 readings
- LED display of high & low alarm status
- No ongoing or subscription charges

new

These new ThermaData WiFi humidity loggers measure and record both temperature and relative humidity (%rh) over the range of 0 to 50 °C and 0 to 100 %rh. At programmable intervals, the loggers will record simultaneously both temperature and humidity, recording up to a maximum of 18000 readings (9000 humidity and 9000 temperature).

The logger incorporates a large LCD that displays temperature and humidity from the internal sensors. Each ThermaData WiFi humidity logger incorporates two LED's, a flashing green LED indicates that the logger is active/logging and a flashing red LED indicates that your customised preset alarms have been exceeded.

The humidity and temperature ThermaData WiFi loggers are suitable for a diverse range of applications which include HVAC climate monitoring, QA monitoring of storage areas etc.

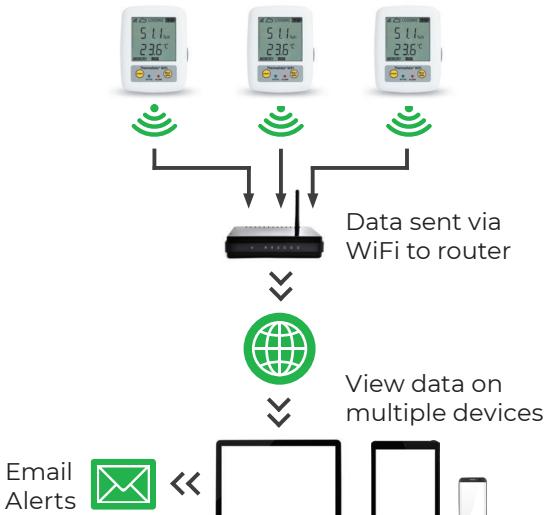
## THERMADATA STUDIO SOFTWARE

Both powerful and sophisticated, yet user-friendly, the ThermaData Studio software enables temperature and humidity data to be organised and analysed to provide management information.

The ThermaData Studio software has the ability to display up to 32 traces on a graph, the trace colours are user selectable. All files can be viewed as thumbnail icons for easy identification.

The software allows the user to programme the logging sample/interval rate (0.1 to 330 minutes), communication interval (sync) with PC, real-time clock, °C or °F and a manual start option. It is also possible to include a user ID for each logger.

## HOW DOES THE THERMADATA WIFI HTD LOGGER WORK?



### Order code Description

298-621	ThermaData WiFi HTD
830-880	Protective silicone boot - black
830-800	Magnetic mount
890-111	UKAS 3-point certificate available

Specification	Temperature	Humidity
Range	0 to 50 °C	0 to 100 %rh
Resolution	0.1 °C/°F	0.1 %rh
Accuracy	±0.5 °C (0 to 50 °C)	±2 %rh @ 25 °C (20 to 80 %rh) ±3 %rh @ 25 °C (10 to 90 %rh) ±4 %rh @ 25 °C (0 to 100 %rh)
Hysteresis	N/A	±1 %rh
Sensor type	Thermistor	Capacitance polymer
Memory	2 x 9000 readings	
Sample rate	0.1 to 330 minutes	
Battery & life	2 x 1.5 volt AA - approx. 10 months @ 20 °C	
Display	12 mm LCD/2 LED's	
Dimensions	29 x 72.5 x 96 mm	
Weight	165 grams	
Optional UKAS Certificate of Calibration		