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INSTRUMENT RECORD CARD

model order code



BlueTherm™ Duo 292-601

serial no. _____

calibrated by _____ date _____

	32°F (0°C)	1832°F (1000°C)

This instrument has been checked or calibrated against reference instrument(s) calibrated by a UKAS Accredited Calibration Laboratory.



ThermoWorks

BlueTherm™ Duo



ThermoWorks

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Operating Instructions

CONNECTION

Pairing the BlueTherm Duo via Bluetooth® – ensure suitable software has been installed on the display device being used to monitor the probe. The BlueTherm Duo will communicate with either ThermoData Studio on a PC or Laptop, HACCP Mobile for a mobile device (PDA) or BlueTherm for Android or iDevices.

Switch unit on and use the settings section of your device software to pair the BlueTherm Duo.

For iDevices i.e. iPhone/iPod go to settings/general/Bluetooth and select the serial number of your probe from the list. If a password is requested to complete the pairing operation use 1234. Not all devices require a password.

INSTRUMENT OPERATION

Connect probes via the miniature thermocouple sockets located on the end of the instrument. The instrument is switched on by using the button located on the front of the instrument. Apply the tip of the probe(s) to the substance, medium or surface to be measured. The instrument reading may take several seconds to stabilize, depending on the nature of the measurement and sensitivity of the probe.

BUTTON FUNCTIONS

Transfer/On-Off button - this button has three functions. If the instrument is 'OFF' pressing will turn the instrument 'ON' and the LED will flash red. When the instrument is 'ON' pressing sends a reading to the attached device and the LED flashes blue. Press and hold for three seconds to turn the instrument 'OFF'. The LED will flash blue followed by red.



Backlight button - press to enable the backlight for a ten second period. Pressing and holding for five seconds performs a hardware reset.



ALARM LED

Green light flashing once every 12 seconds indicates no alarms triggered. Red light flashing once every 12 seconds indicates temperature is in alarm state. Red light flashing twice every 12 seconds indicates temperature was in alarm state but has returned out of alarm.

OPEN CIRCUIT/FAULTY PROBE

If the probe has developed an 'open circuit' fault or is not connected the device software and LCD will display 'Err'.

SENSORS

Select one or two sensors using the display device software. If one sensor is selected connect the probe to input 1.

Only use type K (Nickel Chromium/Nickel Aluminium) thermocouple probes (to BS4937-20 or IEC 584-2 or BS EN 60584-2) fitted with suitable miniature type K thermocouple plugs.

BATTERY STATUS

This is indicated in the device software and also on the instrument display using the battery symbol.

Please note: the battery is factory fitted and is not user replaceable. Please return to ThermoWorks for replacement.

CHARGING

Please note: measurement accuracies are not guaranteed while a USB cable is connected.

The BlueTherm Duo can be charged from a PC, laptop, mains adaptor USB charger or USB car charger. The probe can be charged while switched on or off. A red LED will be displayed when the probe is charging. If the red LED flashes during charging then an error has occurred - see help file.

Remove the protective rubber cover at the end of the unit to gain access to the USB 'B' socket. Charging will automatically finish when the battery is full, which should take less than three hours.

RESET

If the unit fails to communicate the battery may be fully discharged. Recharge and if communication still fails perform a hardware reset.

Press and hold the 'backlight' button for five seconds. A red LED will show on the front of the instrument and 'rSt' will be displayed.

GUARANTEE

The BlueTherm Duo carries a one year instrument warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ThermoWorks, be either repaired or replaced without charge. The product warranty does not cover damage caused by fair wear and tear, abnormal storage conditions, incorrect use, accidental misuse, abuse, neglect, misapplication or modification. Full details of liability are available with ThermoWorks' Terms & Conditions of Sale at www.thermoworks.com. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.