ThermoBarScan

T.M.Electronics UK Ltd

T m E
TECHNOLOGY IN TEMPERATURE

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Combining portable temperature monitoring, with bar code and blue tooth technologies, the unique *ThermoBar Scan* provides a sophisticated temperature monitoring and auditing tool. Unlike any other device on the market, customers have a genuinely new portable logging capability: to scan and record temperature, time, date **and product identity** remotely to a computer or mobile phone – eliminating the need for costly and time-consuming computer data input.

www.tmelectronics.co.uk

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INSTRUCTION BOOKLET

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Leading the search for innovative solutions in due diligence, UK temperature specialists TM Electronics Ltd (TME) launch the new *ThermoBar Scan* – a revolutionary development in food safety

www.tmelectronics.co.uk

Set up

Installing the Software

If you need to install a Bluetooth dongle then we recommend the Belkin dongle with Widcom stack. You should install this before the next stage.

There are two stages to the software set up :

Stage 1

Installing WCL (This contains system Bluetooth drivers) - :

This will AutoRun when the disc is inserted. If it fails to AutoRun then Double click 'WCL_Personal_NET' from the CD

Stage 2

Installing the ThermoBarScan Software - :

Double Click 'Set up' to install the ThermoBarScan software.

Printing from your ThermoBarScan

Before using a printer you will need to 'pair' the instrument with the printer.

To do this firstly connect the instrument to your computer then making sure the printer is on and your instrument is in 'BLUE'. Go to the discovery tab of the software. Press Discover and wait until discovery is completed. The printer Bluetooth address should now be shown in the printer table and your instrument in the normal table. Highlight both the instrument and the printer address. Now press the send printer address button, you can ensure the instrument is correctly set up by pressing the read printer address button. The address shown should be correspond to the printer.

To Print results

1. Press the Bluetooth button on the instrument, 'BLUE' will be displayed on the instrument.
2. To print just the last reading stored :
   a. Press the 'SCL' button the letter 'S' will be displayed, release the button and the last reading will be displayed.
3. To print all stored reading :
   a. Press the 'SCL' button and hold firstly the letter 'S' will be displayed followed by the letter 'A' for all. When this is displayed release the 'SCL' button and all stored readings will be printed.

To enter your Barcodes

In the ThermoBarScan software select the translate Barcodes Tab

In this screen you may enter your barcodes using the format of Barcode then description separated by a comma (e.g. 1234567889,can of baked beans) Use a new line for each barcode.

You may then save this information using the save button or you may import you barcode definitions using the 'Open Barcode File' facility and then use the 'Load Barcode File' button to load the barcodes into the software.

To generate Barcodes

There are a number of websites offering free utilities to convert text into Barcodes.

For example :

www.barcoding.com/upc

Set up the Instrument

Start up the software

Go to the select system Bluetooth

Load Bluetooth drivers

Select a suitable driver we recommend either Microsoft or Widcom as drivers

Turn on your ThermoBarScan instrument and press the Bluetooth Button, the word Blue will be displayed. The instrument must remain with the Bluetooth enabled (showing 'BLUE') during discovery and communication.

Form the software select the discovery tab then select discover

The devices within Bluetooth range will be displayed, select the device you wish to interrogate. And then press connect. Once connected, the software will display a signal strength indicator. To swap between ThermoBarScan devices, disconnect the currently active device then highlight the new device and press connect.

When the instrument is connected select the 'SETUP' to set up the instrument.

Set the instrument parameters as below :-

1. Time and Date
2. Thermocouple Type
3. Temperature Scale
4. Instrument Name

The instrument is now ready for use.

To take a reading

Connect a thermocouple sensor to the top of the instrument, when you are happy with your temperature reading press the 'SCAN' button.

This will activate the Barcode Scanner and freeze the temperature measurement.

When the Barcode has been read the temperature, Barcode, Date and Time will be logged to the internal memory.

Whilst in SCAN mode the instrument will show the number of readings taken at the top of the instrument display. After scanning, the display will revert to showing the time and temperature.

To Retrieve the information

Use the software to discover and connect as before.

When connected use the LOG tab and then select the GET DATA button.

The data will be downloaded from the instrument and displayed in the results window. This may then be printed or stored for later analysis.

To translate the Barcodes select the Translate Barcode Tab, then open a CSV file with barcodes or type in the barcode followed by description in the window. Then load the barcode data.

Returning to the Log tab you may the select the Translate while downloading option. Now when you download any barcodes recognised will be replaced by the descriptions provided.

The instrument may store up to 250 reading, we would recommend that you clear the instrument when you have retrieved the data, this can be achieved from the download data tab and the select the clear instrument button.

You may print the data using the print preview button or save the data in a' csv' (suitable for importing into either spreadsheet or database software) file using the 'Save As' button.