

# TECHNICAL DATA SHEET

**Independent Temperature Control Wherever You Need It** - the Intelligent Mini Datalogger are truly independent and therefore ideal for tracking critical temperature conditions of sensitive products during transport and

## Key Features

- ✓ **Easy Download Programming**  
With the DB9 connector on the back, your Intelligent Mini Datalogger can plug directly into the serial port of your PC for programming and data down load. USB to serial port adapter can be used to connect to computers without serial ports. Console software is available as a download **free** from our website [www.digitron.co.uk](http://www.digitron.co.uk), making it is easy to download and program Intelligent Mini Dataloggers. Continuous back-ground logging ensures key data is available should the user forget to start the logger.
- ✓ **Start Button**  
Start recording cycle, or countdown to the start, by holding down the button for over one second. Scroll through the statistics on the multifunctional display by pushing the button during the logging cycle.
- ✓ **Multifunctional Display**  
Alarm status is always visible. Analyse recorded data by viewing the statistics on the multifunctional display: First button push for the highest average and lowest reading, second push for time spent over and under specifications limits. Standard display shows the latest reading, or the status of the logger (rdy when ready to start, d when waiting f for delayed start, stop after finishing recording)
- ✓ **Replaceable Battery**  
The logger battery typically lasts 1 to 2 years and can easily be replaced without loss of data.

## Specification

Temperature Range	Measuring -40 to +70°C; accuracy +/-0.5°C; resolution 0.5°C
Liquid Crystal Display	Operating Temperature -20 to + 70°C
	Scrolling through highest, average, lowest reading after 1st button press, showing time spent over/under specification limits after 2nd button press
Measuring Response	T90 OF 5 minutes in moving air
Memory	1868 samples
Data Recovery	Download via IBM compatible PC at 2400bps
Software	Console Software, operating system Windows 98 or later required
Sampling Frequency	1 to 255 minutes
Recorder Start-Up	Long button press; optional continuous logging before start
Security	Programme settings and recorded data can be secured with a password
Time and Date	Real time clock, accuracy better than 1 minute per month at ambient
IP Rating	IP51
Size	80X57X20 mm (excluding lug).
Weight	70 Grams
Case Material	Polycarbonate /ABS
Storage Temperature	-40 TO +85°C
Power Source	User replaceable coin cell battery
Typical Battery Life	Depending on frequency of PC communication

## Accessories

Product Code	Item
MA-SWP-WIN	Console for Windows Software
MA-SWP-CON	Console Professional Software Site Key to unlock enhanced features of console
SER-USB	USB to serial port adapter

## Independent Temperature Control Wherever You Need It

- ✓ **Transport**
- ✓ **Storage**
- ✓ **Monitoring of chilled food**



# Mini Intelligent Data Logger