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## Environmental Monitoring **TomKey**



The TomKey is an extremely versatile USB key that enables the temperature of food or clinical samples to be monitored during transportation. It records and displays temperature readings from  $-20$  to  $+80^{\circ}\text{C}$ , providing continuous traceability in a simple and economical way. TomKey features an easy to read LCD display that allows you to see the temperature readings at a glance.

Ideal for monitoring cold chain storage of food samples, the TomKey has many applications. In food manufacturing it can be used to monitor food samples from the factory to the shop. In clinical areas it can be used to monitor samples from a GP to the laboratory or between hospitals or departments. In short, this device has a role to play in any application where a sample needs to be kept at a certain temperature whilst in transit.

When the sample is ready for transport, simply press a button on the TomKey to start the readings (unlike some other data loggers where readings start immediately after being configured). This is an added benefit for security in transit as the readings cannot then be modified or changed in any way. Any deviation from the user-defined temperature parameters will be shown immediately on the LCD display. This is ideal for identifying discrepancies prior to the data being downloaded for analysis.

**Integrated USB port, no adapter needed**

**Free software**

**Calibration certificate included**

**High level of accuracy**

**Waterproof to IP67**

**Replaceable battery**

**Direct min/max and alarm readings (no computer needed)**

**Easy to read LCD display**

**Small and lightweight**



**The TomKey comes with free software so that when you connect to a computer, you can process the data in a variety of ways or export data into other programmes. The software is Windows compatible and is available in six different languages.**

**No special training is required to operate this device but it is supplied with comprehensive set up instructions and a user manual.**

A small, lightweight product, it is shock-resistant and rated IP67 (which means that it is totally protected against dust and waterproof to 1m). With two models available, you can choose between one with the capacity to monitor 8,000 temperature readings, or a model with a memory capacity of 16,000 readings.

Although the TomKey can be programmed to stop taking readings when the memory is full, there is also the option to overwrite the data should continuous readings be essential. Additionally, the TomKey can be reconfigured very easily after each sample run. The battery in a TomKey is replaceable and there is a low battery indicator - but even if the battery fails, your data is guaranteed due to the secure memory feature.

### Technical Features

Temperature range	-20 to +80°C
Accuracy	+/-0.3°C range 0 to +50°C (+/-0.5°C range -40 to +80°C)
Dust and waterproof to	IP67
Communication port	USB 2.0
Resolution	A/D 16bit, 0.1°C
Memory capacity	8,000 or 16,000 temperature readings
Sampling rate	1 reading per second to 1 reading per 2 hours
Battery	Replaceable 3V lithium battery
Dimensions	108 x 39 x 26 mm
Weight	45g

**8,000 readings TomKey**      Order code T00136

**16,000 readings TomKey**      Order code T00137

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