

## Versid KT-10s Temperature Acquisition Module for Computers with Serial Interfaces

### Features of the KT-10s

- Small size and positive capture connectors make it an ideal fit for mobile computers with serial interfaces.
- Automated input of laboratory grade accurate temperatures with time and date stamping.
- Rugged design moves sophisticated data collection to the kitchen, processing floor, and service areas with confidence.
- Powered by the host computer, the Versid KT-10s never needs batteries, its low power design has almost no effect on host battery life.
- Uses industry standard mini type plug that can accept a range of widely available, inexpensive type K thermocouple probes.
- Royalty free developers kit allows easy creation of custom applications.

**Quick, reliable connectivity and small size make the Versid KT-10s the right choice for mobile data collection.**

The Versid KT-10s temperature acquisition module is designed specifically to connect reliably and easily to mobile hand held computers using available serial adapter accessories to create a secure, rugged means to provide automated temperature input.

Featuring a re-designed, small electronics footprint that requires no batteries of its own, the Versid KT-10s comes in a compact case that provides excellent resistance to even the most rugged environments. Its screw-in connector will not come loose from the host computer, and that means you can rely on it to deliver one accurate reading after another.

The combination of automated temperature input and a powerful mobile computer creates a system featuring outstanding temperature accuracy capable running sophisticated software designed for rapid data collection and on the spot feedback.

### Versid KT-10s Temperature Acquisition Module

Designed for sensing temperatures across a range of  $-200^{\circ}\text{F}$  to  $+600^{\circ}\text{F}$ , the Versid KT-10s module supports widely available Type K thermocouples with standard mini-plug connectors.

Versid's royalty free developer's kit allows programmers to quickly create applications that take advantage of fast temperature input, time and date stamping, automatic verification against industry or custom standards, task specific interfaces, and collection of data in addition to temperature to provide a complete suite of capabilities no ordinary digital thermometer can match. Web compatible interfaces allow temperatures to be input directly into web pages using simple JavaScript commands to create enterprise wide, server based applications.



*Versid KT-10s temperature acquisition module shown attached with a positive capture connector to the serial adapter attachment of the Symbol MC-50 mobile hand held computer. The industry standard thermocouple probe connector allows the use of your existing probes.*

## Typical Applications for the Versid KT-10s Temperature Acquisition Module

The combination of a hand held computer and Versid temperature acquisition module creates a powerful unified device which allows users to collect temperature data in more sophisticated ways than ever before. Applications include the following examples, among many others:

- **Food Service and Processing**

Collect industry standard HACCP (hazard analysis and critical control point) data for cooking, cooling, serving, and holding operations using your own menus along with up-to-date HACCP standards.

- **Industrial Processing**

Replace expensive, limited digital thermometers with Versid systems capable of flexible temperature logging – over multiple data sets and using pre-programmed parameters. View your results as you collect your data without having to connect to a host PC and wait through lengthy data transfers. Create real time graphical results that allow you to quickly analyze and correct processes right where they occur.



## Get Started Today

The Versid KT-10s is compatible with hand held, mobile, tablet and desktop computers running Pocket PC, Windows Mobile Edition, Win CE, and Win 32 operating systems. Software applications and custom development are available from Versid, Inc. and third party developers. The Versid developer’s kit is available on a royalty free basis for users and developers.

*The Versid KT-10s provides a powerful means for automatic temperature input in a small package.*

Specifications		
Temperature Measurement Range: -200 °F to +600 °F (-129 °C to +316 °C)		
Accuracy: ± 0.9 °F (0.5 °C) + 0.1% of reading		
Operating Temperature Range: 32 °F to 122 °F (0 °C to 50 °C)		
Dimensions: 2.36 x 1.38 x 0.67 in. (not including cable and connector)		
Input Channels / Thermocouples Supported	Power	Compatibility
One Channel Input Uses ungrounded K type thermocouples with industry standard two prong flat-pin mini connectors.	Powered from host computer via the RS-232 connector.	Symbol MC and 8800 series hand held computers. Symbol serial adapter required for both.  Intermec 700 series hand held computers. Intermec serial adapter required.  Can be supplied with compatible serial connector for most computers that 1) have an RS-232 compatible port, 2) have a positive capture connector (screws, clip-on, or other) and 3) can supply an appropriate power source.  Contact Versid, Inc ( <a href="mailto:support@versid.com">support@versid.com</a> ) to determine if your device is compatible.