

## Versid ST-10s Temperature Acquisition Module for Symbol Hand Held Computers

### Features of the ST-10s

- 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. Field proven Versid core insures reliability.
- Belt clip holds the temperature module securely, prevents accidental drops, protects from environment.
- Auto-sleep design provides long battery life, typically measured in months. Powered by convenient AAA batteries / AC adapter.
- Uses industry standard mini type plug that can accept a range of widely available, inexpensive type K thermocouple probes.
- Software can be enabled to read internal temperature, battery level and unique ID number for each unit.
- Interchangeable interface cables to easily swap the module between multiple host hand held or tablet computers.
- Provides exceptional usability... collect more data and reduce user training.
- Royalty free developers kit allows easy creation of custom applications.

**Industrial food processing and food service applications that perform temperature data collection require rugged solutions with a reputation for reliability and ease of use.**

For these applications the Versid ST-10s offers the perfect solution.

Versid ST-10s modules connect directly to your Symbol 8846 hand held computer via the serial port. The combination of temperature input and a powerful Win 32 or Pocket PC computer creates a system featuring outstanding temperature accuracy and capable of reading a wide range of bar codes. All while running sophisticated software designed for rapid data collection and on the spot feedback. With the wireless capabilities available on select Symbol 8846 series models, enterprise ready applications can be created and deployed in the harshest work environments.



*Versid ST-10s temperature acquisition module shown attached to a Symbol 8846 Pocket PC O (or Win CE) hand held computer. In typical use the user wears the Versid module attached via a belt clip, protecting the module and making its use "hands-free".*

### Versid ST-10s Temperature Acquisition Module

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

Versid' royalty free Pocket PC drivers allow custom 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 drivers allow temperatures to be input directly into web pages using simple JavaScript commands to create enterprise wide, server based applications.

Users can take advantage of a growing library of "off-the shelf" applications and custom applications to deploy the solution best suited to their needs.

## Typical Applications for Symbol Hand Held Computers and Versid ST-10s

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. Create and maintain long term “electronic paper trails” covering multiple temperatures over days, or even months, to facilitate record keeping, quality assurance and regulatory compliance. Automatically determine out of compliance measurements to eliminate operator dependent judgment and error. Generate and schedule appropriate corrective actions and follow-ups. Collect multiple data types (operating conditions, taste tests, visual inspections, bar codes) to put all of your HACCP related functions into a single paperless system. Connect to PC’s, or to networks to synchronize your collected data with desktop and server based data management systems to create a truly integrated solution.

- **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. Collect data from multiple processes and over extended time periods without requiring a PC to harvest data after each log. Use real time and date stamps on all of your data for accurate historical analysis.



*The Versid ST-10s and a Symbol hand held computer replaces ordinary digital thermometers with a sophisticated system for collecting all of your crucial data.*

### Get Started Today

The Versid ST-10s is available immediately and compatible with all Symbol 8846 Pocket PC hand held computers. Software for a wide range of applications is available from Versid and third party developers. Custom development resources are also available from Versid and third parties. The Versid developer’s kit is available on a royalty free basis for organizations who decide to develop in house or retain their own programming resources.

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)	
Input Channels / Thermocouples Supported	Power	Compatibility
One Channel Input Uses ungrounded J,K,T, and E type thermocouples using industry standard two prong flat-pin mini connectors.	2 x AAA Batteries	All Symbol 2800 / 8800 / MC70 (and other) hand held computers with Pocket PC or Windows Mobile OS.  Other Pocket PC, Windows Mobile, Win CE, Win 32, or Win XP computers with serial port.