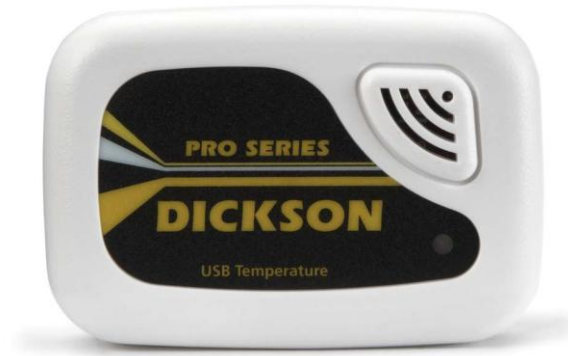


## Temperature Data Logger



## Product Applications

Dickson's SP/TP series of USB data loggers set a new standard in accurate, easy-to-use, affordable PC based recording. Due to their compact size, rugged design and battery power they can be placed just about anywhere. Monitor temperature or temperature and humidity with models that come equipped with either an internal sensor for reading air temperatures, or both an internal and external sensor for reading temperatures in extreme environments or hard to reach places.

## Product Features

- 1 year battery life
- Stores 32,000 sample points
- SP175 features a remote temperature range of -238°F - 2000°F (-150°C - 1039°C)
- High/Low LED Alarm
- Delayed start
- Unit on LED indicator
- Compact size, fits in the palm of your hand

## Other Useful Features

- Delayed Start - Program how many Days, Hours and Minutes must expire before your unit begins logging.
- Real Time Monitoring - Monitor and graph your process as it happens and print and save from real time screen. (This feature should be used sparingly as it causes the battery to drain quicker)
- Customize Graphed Data - DicksonWare™ calculates Min, Max and Average of all data collected. Customize data by eliminating unnecessary data points and customize Min, Max and Average to show only desired information.
- Export Data - A snapshot of your graph or a real-time graph of points can be easily exported to other programs such as Excel™ or PowerPoint™.

Click on the features button in the software for detailed instructions on how to use above features.

# Getting Started

- Install the DicksonWare™ Software.
- Connect the cable (supplied with the software) to the logger and to a working UBS port on your computer.
- Click the Setup button. When the setup window appears, all fields should be automatically filled in, this will confirm that DicksonWare™ has recognized the logger. Should all fields remain blank, refer to “No Communication” in the Trouble Shooting section of this manual. Once DicksonWare™ recognizes the logger, press the Clear button. This will delete all data currently stored.
- The logger is now sampling and ready for use. The default sample interval is 1 minute. Verify that the indicator light is flashing every 10 seconds. You may choose to change Default settings for sample interval and start-date and time. When changing these settings, the logger will automatically go through the clear process to accept your changes. The LED will flash red when the unit is set-up for delayed start

**NOTE:** To conserve battery life when storing unit, press the Setup button and select the shortest Sample Interval and Stop When Full in the Samples section or remove the battery.

## DicksonWare™ Software Specifications

Microsoft Windows® compatible. Allows for simple viewing and zooming of logged data. Easy set-up of Dickson Data Loggers including:

- User selectable sample intervals from 10 s to 24 hrs
- Display temperature in °C or °F
- Delayed logger start times
- Logger data capacity can be set to wrap data or stop when full
- Allow for real time monitoring and graphing.
- Effortless exporting of data and graphs to other software
- Data can be viewed in tabular (numeric/table) or graphical formats
- Fast downloading of logged data - 30 s (typical) from full logger
- Even shows battery power status for battery operated loggers

### Specifications

- Compatible With: Microsoft Windows® 95, 98, 2000, NT & XP Display temperature in °C or °F
- PC Requirements: PC with 486 MHz or faster microprocessor, 16 MB RAM, 1 free USB root hub, CD drive, VGA monitor or better
- Cable Type/Length: USB male series “A” plug to 5-pin male series “B” mini plug, 6 ft (2 m)
- Computer Interface: USB
- DicksonWare™ Version Required (minimum): 10.0

## Troubleshooting

For troubleshooting information, visit our tech support page: [www.dicksondata.com/support](http://www.dicksondata.com/support)

## Warranty

Dickson warrants that the products it sells will be free from defects in material and workmanship under normal use and service for a period of twelve months after delivery. In the event of a claim under this warranty, the product or part must be returned to the factory for repair or replacement (shipping pre-paid) with a Return Authorization Number (see Return Information above). It will be repaired at Dickson’s option without charge. This warranty DOES NOT cover routine calibration, pen, chart and battery replacement. The foregoing warranty and remedy are exclusive and in lieu of all other warranties either expressed or implied. Dickson shall not be liable for consequential or incidental damages resulting from failure or malfunction of its products. Dickson makes no warranty for products not manufactured by it or for any products modified by buyer, or subject to misuse or neglect.

# Factory Service & Returns

- Contact the factory (630-543-3747) for a Return Authorization (RA) Number before returning any instrument. The model number, serial number and a purchase order number will be requested before an RA number is issued.
- Carefully repack the instrument, label the outside of the box with the RA# and return the instrument (freight pre-paid) to Dickson.
- All instruments that do not have the RA# clearly marked on the outside of the box will be refused.
- When returning instruments for credit, please include all accessories in shipment.
- Calibration/Freight charges are non-refundable.

**NOTE:** Dickson shall not be liable for consequential or incidental damages resulting from failure or malfunction of its products.

## Customer Satisfaction

Dickson takes pride in providing you, the customer, with the highest quality instrumentation. We welcome the opportunity to help you in any way possible. Whether it be a question or a new idea in documentation, the Dickson Company would like to hear your response. Please call our Customer Service Department at 1-800-757-3747 or (630) 543-3747 (in Illinois).

## Software Return Policy

**IMPORTANT** - Read your Software License Agreement carefully before installing software. Dickson will accept returns for replacement of defective disks and CDs only.