



Innovative Data Collection Solutions.

Temperature, Pressure and Humidity Monitors for the Food, Pharmaceutical and Healthcare Industries.



Summer 2011 Catalog

CD243



DICKSON



The Dickson Advantage.

Dickson Means Data. Whether you monitor temperature, humidity, or pressure, Dickson instrumentation can capture and present that data in a variety of ways.

Dickson Chart Recorders provide a record of your data on a paper chart. A chart recorder is extremely easy to use, requires no technical skill, and anyone can be trained to use a chart recorder in just minutes. Our 8" chart recorders offer the greatest view of the recorded data. Dickson 6", 4" and 3" chart recorders are for applications where space is a concern.

Dickson Data Loggers present data in a traditional "temperature vs. time" graph on your computer via our software. Data loggers give you significantly more precise data than chart recorders. They also allow you to customize graphs by zooming in and out of specific ranges, dates, and times. Data loggers allow you to store your graphs and data electronically and make it easier to share data with others.

WiZARD2 Data Loggers and Ethernet Data Loggers can be set up on a network of connected loggers either wirelessly or through your Ethernet connection. These Temperature and Humidity Systems offer more sophisticated features like text and email alarm notifications.

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Digital Graph Displays Trends

Full Control at your fingertips!

- Jumbo 4.1" x 5.5" touchscreen temperature and temperature/humidity logger
- Zoom and scroll at the touch of the screen
- Audible/visual alarms
- USB and FLASH card data download
- Rechargeable battery backup
- No running back to your PC to see data. Everything you need at the touch of a finger!

\$299 Add \$99 for 1-Point NIST

FH525

Jumbo Current Readings View

FT500



Standard View

FT520



Zoom Functionality

MODEL	REMOTE PROBE	PROBE TYPE	TEMPERATURE RANGES	ACCURACY	RELAYS	PRICE
TEMPERATURE/HUMIDITY						
FH525	•		-40°F to 185°F	±0.8°F		\$459
FH535	•		-40°F to 185°F	±0.8°F	•	\$499
TEMPERATURE						
FT500			0 to 122°F	±1.2°F		\$299
FT525	•	Thermistor	-40°F to 300°F	±0.5°F		\$399
FT520	1	KT/C	-300°F to 2000°F	±1.8°F		\$339
FT530	2	KT/C	-300°F to 2000°F	±1.8°F	•	\$399
FT540	1	Thermistor/Glycol	-58°F to 158°F	±1.2°F		\$419
FT545	2	Thermistor/Glycol	-58°F to 158°F	±1.2°F		\$479

For more information, please visit www.DicksonData.com.

4 Inch Temperature Chart Recorder

Designed with simplicity in mind!

Easy-to-use, battery operated and portable

- Digital display
- 24 hour / 7 day recording time
- Wall Mount
- Battery door
- Hinged door

Applications

- Refrigerators
- Warehouses
- Freezers
- Laboratories

\$239 Add \$99 for 1-Point NIST

SL4100 Temperature Model



MODEL	DIGITAL DISPLAY	TEMPERATURE RANGES	PRICE	
SL4350	•	-22 to 122°F	• -30 to 50°C	\$239
SL4100	•	0 to 100°F	• -18 to 37°C	\$239
SL490	•	45 to 90°F	• 7 to 32°C	\$239
SK4350		-22 to 122°F	• -30 to 50°C	\$239
SK4100		0 to 100°F	• -18 to 37°C	\$239

Charts sold separately. For charts and accessories, please call 800.323.2448 or visit www.DicksonData.com.





3 Inch Mini Temperature Chart Recorder

Ideal when space is a concern!

Applications

- Refrigerators
- Clean Rooms
- Transportation
- Storage

\$199 Add \$99 for 1-Point NIST

SC367

MODEL	TEMPERATURE RANGES	PRICE
SC367	-14 to 32°F • -25 to 0°C	\$219
SC377	4 to 50°F • -15 to 10°C	\$219
SC386	22 to 68°F • -5 to 20°C	\$219
SC387	50 to 96°F • 10 to 35°C	\$219
SC397	76 to 122°F • 25 to 50°C	\$219

Charts sold separately. For charts and accessories, please call 800.323.2448 or visit www.DicksonData.com.



Disposable Recorder

One-time use! This disposable temperature recorder is perfect for monitoring goods while in transit.

Multiple features tailored for shipping needs:

- Failsafe start-up and pull out start tab
- Tamper-proof crimped seal
- Shock and vibration protection
- Low cost shipping alternative

\$39 Each

D301

MODEL	TEMPERATURE RANGES	RECORDING TIME
D301	-20 to 100°F • -30 to 37.5°C	10 Day
D302	-20 to 100°F • -30 to 37.5°C	20 Day
D307	-20 to 100°F • -30 to 37.5°C	40 Day
D309	-20 to 100°F • -30 to 37.5°C	75 Day

8 Inch Temperature Chart Recorder

Easy-to-read chart lets you see temperature details, not just trends!

Industries & Applications

- Ovens
- Warehouses
- Food Processing
- Archives
- Laboratories
- Health - Blood storage, Dialysis centers, Medical Centers

MODELS AND FEATURES

KT800 \$399 Probe. Battery operated.

KT802 \$459 Probe. Display.

KT803 \$559 Probe. Display. Alarm.

KT856 \$729 2 Probes. Display. Alarm. Relays.

ALL MODELS HAVE THE FOLLOWING RANGES:

-50 to +50°F/C • -20 to 20°F/C • 0 to 100°F/C
0 to 150°F/C • 0 to 250°F/C • 0 to 500°F/C
0 to 1000°F/C • 0 to 2000°F



KT803

6 Inch Temperature Chart Recorder

Easy-to-read chart lets you see temperature details, not just trends!

Industries & Applications

- Refrigerators
- Storage
- Clean Rooms
- Laboratories
- Pharmaceuticals
- Medical Equipment

MODELS AND FEATURES

KT621 \$369 Probe.

KT622 \$459 Probe. Display.

KT625 \$599 Probe. Display. Alarm. Relays.

ALL MODELS HAVE THE FOLLOWING RANGES:

-100 TO 0°F/C • -50 TO 0°F/C • -50 TO +50°F/C
0 TO 50°F/C • 0 TO 100°F/C • 50 TO 100°F/C
0 TO 250°F/C • 0 TO 500°F/C



KT622

Charts sold separately. For charts and accessories, please call 800.323.2448 or visit www.DicksonData.com.



TH803

8 Inch Temperature & Humidity Chart Recorder

Easy-to-read chart lets you see temperature and humidity details, not just trends!

Industries & Applications

- Aerospace
- Pharmaceuticals
- Archives
- Laboratories
- Clean Rooms
- Ovens
- Warehouses
- Health - Blood storage, Dialysis centers, Medical Centers

MODELS AND FEATURES

TH800 \$479 Battery operated.

TH802 \$559 Display.

TH803 \$669 Display. Alarm. Probe.

TH805 \$729 Display. Alarm. Probe. Relays.

Not for use over 95% RH

RANGES	MODELS
32 to 120°F	TH800
0 to 50°C	TH800
-20 to 120°F	TH802, TH803, TH805
-20 to 50°C	TH802, TH803, TH805
40 to 110°F	TH802, TH803, TH805
5 to 40°C	TH802, TH803, TH805
0 to 185°F	TH803, TH805

Charts sold separately. For charts and accessories, please call 800.323.2448 or visit www.DicksonData.com.

Add an Optional Probe to your Temperature Unit!



A203 \$125 6" high temperature immersion probe



D605 \$73 4" piercing probe



D608 \$99 5" Immersion probe



D617 \$52 10' K-TC straight extension cable

Pressure Data Logger

User-friendly features!

- One-second sampling rate
- User-replaceable battery
- Pressure sensor includes built-in diaphragm seal
- Display, USB connectivity, FLASH memory downloads
- IP68 case
- Delayed start - start logging once unit is in place

- A.** Digital display
- B.** USB
- C.** FLASH memory card
- D.** Battery
- E.** Splashproof case

PR125 \$499 Range 0 to 100 PSI.

PR325 \$499 Range 0 to 300 PSI.

PR525 \$599 Range 0 to 500 PSI.

\$499 Add \$99 for 1-Point NIST



PR325

Rugged Utility Pressure Data Logger

Compact and discreet!

This data logger fits in toolboxes, tight corners or in wide open spaces without attracting attention. Built for real-world water and gas pressure monitoring.

- Water resistant case
- 3 year battery
- Unobtrusive design
- Fits easily in a toolbox
- Pressure sensor includes built in diaphragm seal.

PR100 \$449 0-100 PSI

PR300 \$449 0-300 PSI

\$499 Add \$99 for 1-Point NIST



Fire hydrant adapter (A793) necessary to connect to fire hydrants.

Software required and sold separately. For more information, please visit www.DicksonData.com.

8 Inch Pressure Chart Recorder

Large, easy-to-read chart!

Features

- Rugged low-maintenance design features
- Single AA battery power
- Corrosion-resistant case
- 7-day or 24-hour operation
- Keyhole slot for wall mount
- Splashproof case with an IP rating of 66
- 1/4 inch NPT Connector

PW860 \$599 7-day. 0 to 100 PSI.

PW861 \$599 24-hour. 0 to 100 PSI.

PW864 \$599 7-day. 0 to 200 PSI.

PW865 \$599 24-hour. 0 to 200 PSI.

PW866 \$599 7-day. 0 to 300 PSI.

PW867 \$599 24-hour. 0 to 300 PSI.

PW875 \$749 24-hour. 0 to 1000 PSI.



PW875

\$599

Add \$99 for 1-Point NIST

4 Inch Pressure Chart Recorder

Compact and durable design!

Features

- Operates up to one full year on a single AA battery
- 1/4 inch NPT connection
- For applications where splashproof IP rating is not required
- 7-day or 24-hour operation

PW450 \$449 7-day. 0 to 100 PSI.

PW451 \$449 24-hour. 0 to 100 PSI.

PW454 \$449 7-day. 0 to 200 PSI.

PW455 \$449 24-hour. 0 to 200 PSI.

PW456 \$449 7-day. 0 to 300 PSI.

PW457 \$449 24-hour. 0 to 300 PSI.

PW459 \$449 24-hour. 0 to 500 PSI.



PW451

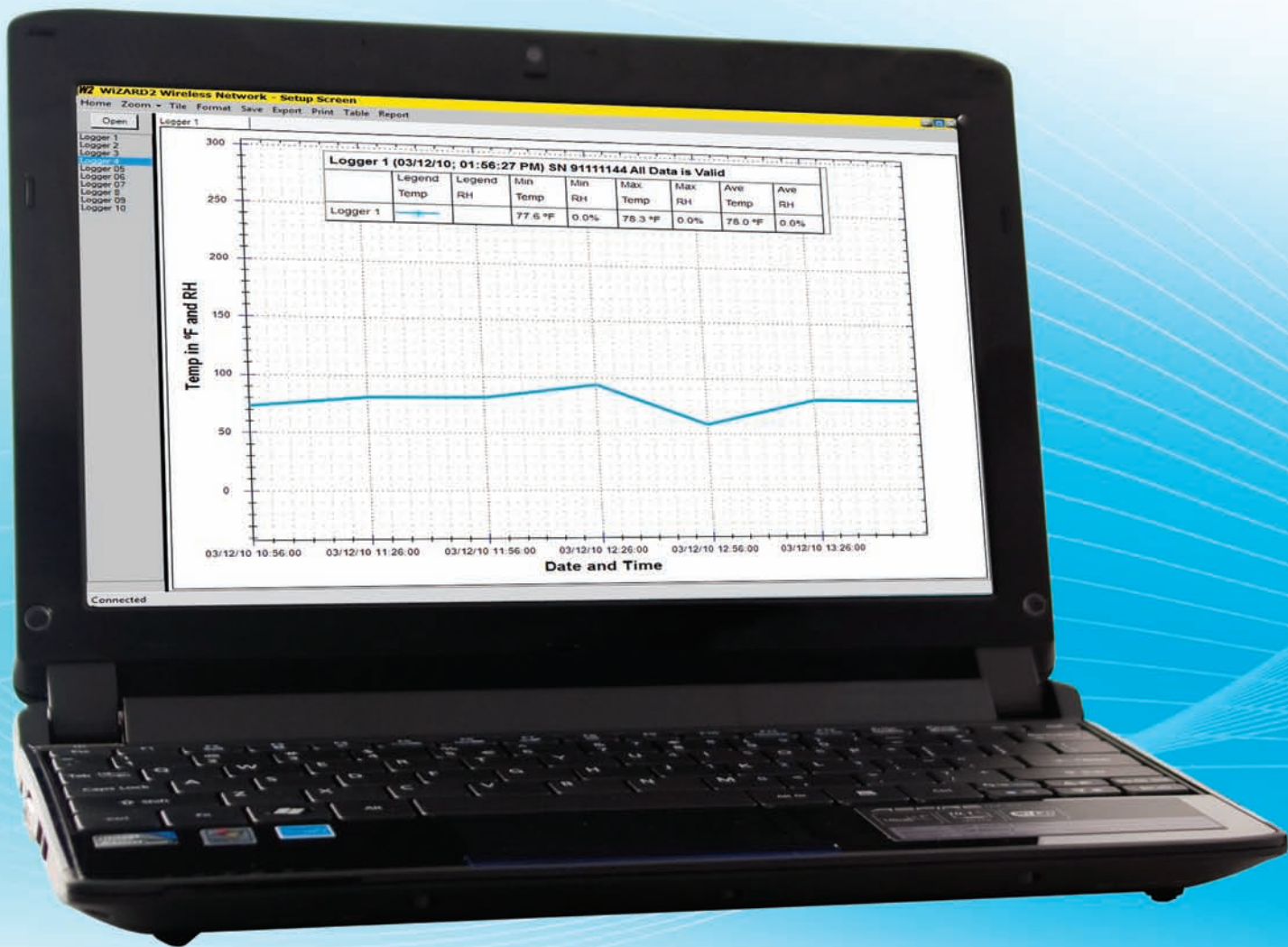
\$449

Add \$99 for 1-Point NIST

Charts sold separately. For charts and accessories, please call 800.323.2448 or visit www.DicksonData.com.

Simple, scalable, wireless data logging.

Dickson WiZARD2 products offer unparalleled ease of use, scalability, and reliability. A single receiver wirelessly manages your entire environment, whether you're using one logger or sixty. Each logger measures temperature or temperature and humidity and comes in probe, display, and alarm configurations. WiZARD2 loggers also feature battery backup, so you'll never lose data, even if your power goes out. If there is a problem, the WiZARD2 system alerts you by email or text message.



Laptop models may vary.

Features & Benefits

Wireless Monitoring

Untether yourself from your recorders. WiZARD2's wireless functionality transmits information directly to your computer, allowing you to monitor large areas from one location and eliminating the hassle of retrieving data from individual loggers or recorders.

Easy Setup

All you need to get started with the WiZARD2 is a receiver, a logger, and software that's simple to install. Once your system is in place, it sends data to your computer automatically. Should you need to expand, adding loggers is a snap.

Affordable Scalability

The WiZARD2 presents an affordable, expandable system that's easy to maintain with little out-of-pocket expense. Get a basic system up and running for less than \$500, and add up to 60 loggers at a per unit price as little as \$199. Additionally, with the WiZARD2 you never have to buy new charts and pens, which saves you money and time.

Email & Text Alerts

Enjoy your days off, worry free. The WiZARD2 sends you text messages and emails alerting you to any potential problems, ensuring that you don't have to be present to monitor your facilities and products.

Reliability

Protecting your products and environments is crucial, especially in the event of power outages. WiZARD2 loggers feature battery backups and can save up to 32,000 data points, so even if power fails, you still have reliable information. When power returns, the WiZARD2 system automatically resumes sending data to your PC.

Configure your system!

Go to www.DicksonData.com/configure to build your ideal wireless monitoring solution!

A note about frequencies and international usage:
Dickson offers the WiZARD2 system in two frequencies. The 900MHz variety is the US version and the 2.4GHz system is the International version. The two frequencies are NOT interchangeable. Please look at the faceplate of any of your existing units to confirm which version you own.

Systems Starting at
\$498



Learn More Online!

Need help? See back cover for instructions.



Logger WT230

Don't let your calibration lapse!

Be sure to have your Dickson instrument re-calibrated!

All instruments lose accuracy over time due to normal usage and the environmental conditions to which they are exposed. Periodic NIST certified calibrations maintain the accuracy of your data loggers and chart recorders throughout their lives.

Calibration is **never** optional. Whatever situations compel you to monitor temperature, humidity, pressure, or other conditions, also require you to calibrate the data loggers or chart recorders used to document those conditions.

Depending on the application your instrument should be re-calibrated every 6-12 months. If you have exceeded that time please call us at **1.800.323.2448** to get your instrument re-calibrated.



RECALIBRATION OPTIONS

	N350	N150	N450	N550
NIST Traceable	X	X	X	X
1-Point (Mid Point)		X		
3-Points (Low, Mid, High)	X		X	X
A2LA-17025 Compliance			X	
Before Data			X	X
After Data	X	X	X	X
PRICE	\$209	\$156	\$315	\$269

Custom Point (N995) also available: User chooses temperature point to be calibrated, NIST Traceable, supplies after data



TC200



TH300



D182
Infrared



D186
Infrared

Indicators

Quickest readings!

Available Features

- Digital display
- Infrared (IR)
- Stores and recalls 16 readings
- Hold button stores readings for later recall
- K-thermocouple probe

MODEL	TEMPERATURE RANGES	PRICE
TEMPERATURE		
D182	-76 to +932°F	\$60
D186	-67 to 536°F	\$99
TC200	-300 to +2000°F	\$299
TEMPERATURE/HUMIDITY		
TH300	-22 to +185°F • -30 to 185°C	\$399



ET855

Chart Recorder

ET855

Features

- Audible/visual alarm
- Large digital display
- Two screw terminal connectors on the back of the instrument for easy connection of the input transmitter

\$649

CHART RANGE	7-DAY CHART	24-HR CHART	31-DAY CHART
0 to +100	C412	C410	C409
0 to +1000	C440	C441	
0 to +200	C436	C456	
0 to +14	C453	C457	
0 to +150	C435	C425	
0 to +300	C431	C422	
-10 to +10	C405	C495	
-150 to +250	C452	C442	

Charts sold separately. For charts and accessories, please call **800.323.2448** or visit www.DicksonData.com.



EV100

Universal & On/Off Loggers

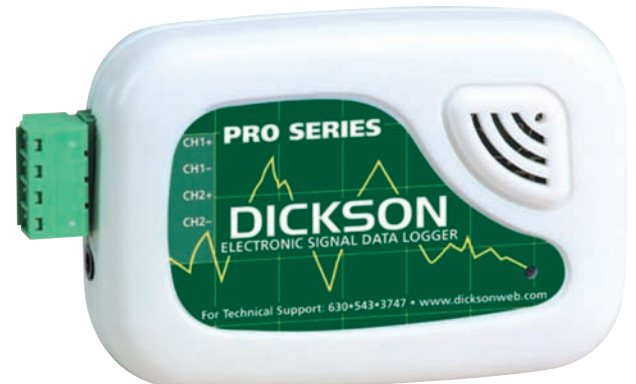
Great for pump monitoring!

Features

- Screw terminal connection
- LED indicator

ES120 \$249 Data storage 32,000 readings. Delayed start. Ranges 0 to 5V, 0 to 20mA.

EV100 \$319 Data storage 65,512 readings. Delayed start. Ranges 1120-240 VAC On/Off.



ES120

Software required and sold separately. For software and other accessories, please call **800.323.2448** or visit www.DicksonData.com.



VFC70

Vaccine Chart Recorder

VFC70

Features

- Easy-to-read special vaccine chart with circular bands highlighting the acceptable vaccine ranges of 35-46°F, 2-8°C
- LCD display shows current temperature for quick reference
- Fahrenheit/Celsius Switchable

\$259 Add \$99 for 1-Point NIST

Charts sold separately. For charts and accessories please call 800.323.2448 or visit www.DicksonData.com.



WiZARD2 Wireless Data Logger

Features

- Wirelessly send vaccine storage temperature data
- One thermistor probe with attached glycol bottle
- Temperature ranges: -58 to 122°F
- Audible and Visual Alarms

WT230

\$299 Add \$99 for 1-Point NIST

This item is part of the WiZARD2 Wireless Logging System. For more information see pages 10-11.

MM125 Two Probe Temperature Indicator



Vaccine Alarm Thermometer

MM120/125

Features

- LCD display shows current temperature, MIN/MAX temperatures, a visual alert when in alarm mode and battery level indicator
- High/Low alarms
- Temperature range -58 to ±122°F (-50 to 50°C)

MM120 \$49 One Probe.

MM125 \$59 Two Probes.

\$59

Drug Temperature Chart Recorder

The solution to drug temperature monitoring!

Features

- Two years on one AA battery
- Compact size can easily fit into your refrigerator or freezer

DRG350 \$239 Range -20 to +122°F, -30 to +50°C.

\$239 Add \$99 for 1-Point NIST

Charts sold separately. For charts and accessories please call 800.323.2448 or visit www.DicksonData.com.



DRG350

Blood and Tissue Bank Chart Recorder

Temperature monitoring for blood and tissue banks!

Features

- Remote probe
- AC power with battery back-up
- Relay contacts to incorporate into your Building Management System

\$599 Add \$99 for 1-Point NIST



BBR625

MODEL	TEMPERATURE RANGES	PRICE
BBR625	-50 to +50°F/C 0 to ±100°F/C -100 to 0°C 0 to 500°F	\$579

Charts sold separately. For charts and accessories please call 800.323.2448 or visit www.DicksonData.com.

Temperature Data Logger

\$399 Add \$99 for 1-Point NIST

SM300 \$249 Range -4 to 158°F, -20 to 70°C. Accuracy ±0.8°F.

SM320* \$299 Remote Probe. Range with Probe -300 to 2000°F.

Accuracy ±1.8°F.

SM325* \$399 Two Remote Probes. Range with Probe -300 to 2000°F.

Accuracy ±1.8°F.

SM420 \$499 Remote Probe. Range -50 to 350°F, -45 to 176°C.

Accuracy ±0.5°F.

SM720 \$549 **Ethernet** Temperature logger with one thermocouple probe -300 to 2000°F

SM725 \$599 **Ethernet** Temperature logger with two thermocouple probes -300 to 2000°F



Glycol bottles optional

SM325 Temperature Model With Two Remote Probes

Temperature/Humidity Data Logger

Industries & Applications

- Warehouses
- Archives
- Surgical Suites
- Laboratories

TM320 \$299 Range -4 to 158°F, -20 to 70°C. Accuracy ±0.8°F.

TM325 \$399 Remote Probe. Range -40 to 185°F, -40 to 85°C.

Accuracy ±0.8°F.

TM725 \$599 **Ethernet** Temperature & humidity logger with remote probe -40 to 185°F



TM325 Temperature Model With Remote Probe

From \$299 Add \$99 for 1-Point NIST

Not for use over 95% RH. Software required and sold separately. For software and other accessories, please call 800.323.2448 or visit www.DicksonData.com.

*Temp Range using standard K-TC probe: -300 +500°F (A203 probe required for +2000°F range).

Temperature and Temperature/Humidity Data Logger

Start/Stop for precision reading!

Features

- LCD display of current and MIN/MAX readings
- High-speed USB connectivity
- User-replaceable battery
- Range -4 to 158°F

SP425 \$159 Temperature Logger. Digital Display. Accuracy $\pm 1.2^\circ\text{F}$. Range -4 to 158°F.

TP425 \$249 Temperature and Humidity Logger. Digital Display. Accuracy $\pm 0.8^\circ\text{F}$. Range -4 to 158°F.



SP425 Temperature Model

\$159 Add \$99 for 1-Point NIST



SP175

Temperature and Temperature/Humidity Data Logger

Great for shipping or moving!

Features

- High/low alarm
- High-speed USB connectivity
- User-replaceable battery

SP125 \$119 Temperature Logger. Accuracy $\pm 1.2^\circ\text{F}$. Range -10 to 176°F.

SP175 \$229 Temperature Logger with Thermocouple Probe. Accuracy $\pm 1.8^\circ\text{F}$. Range -300 to 2000°F.

TP125 \$199 Temperature and Humidity Logger. Accuracy $\pm 0.8^\circ\text{F}$. Range -10 to 176°F.

From \$119 Add \$99 for 1-Point NIST

Software required and sold separately. For software and other accessories, please call **800.323.2448** or visit **www.DicksonData.com**.

*Temp Range using standard K-TC probe: -300 +500°F (A203 probe required for +2000°F range).

Stainless Steel Watertight Temperature Data Loggers

New generation of high temperature data logging!

Features

- User-replaceable battery
- USB download capability
- Reinforced probe on the HT225 to prevent breakages
- IP68 rating
- Range: -40 to 257°F

Prices Starting At

\$310 Add \$99 for 1-Point NIST

MODEL	LOGGER LG	LOGGER DIA	PROBE LG	PROBE DIA	PRICE
HT200	5.36"	0.75"			\$310
HT220	7.72"	0.75"	2.36"	0.19"	\$349
HT225	10.24"	0.75"	4.88"	0.11"	\$399

Software required and sold separately. For software and other accessories, please call **800.323.2448** or visit www.DicksonData.com.



Compact-Sized Data Loggers

Ideal when space is a concern!

Features

- USB connection
- Economical 12-pack
- One year battery life
- Ranges -4 to +158°F (-20 to +70°C)
- Accuracy ±1.8°F (±1°C)

SK550 \$699 Temperature. Pack of twelve.

TK550 \$999 Temperature & Humidity. Pack of twelve.

Software required and sold separately. For software and other accessories, please call **800.323.2448** or visit **www.DicksonData.com**.



Compact-Sized Report Logger

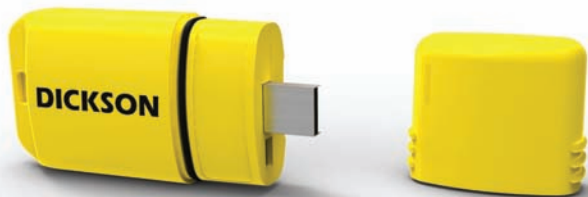
No Software!

\$49

Features

- Reusable
- Connects directly to your computer via USB
- No cables

For an online product demonstration video, go to: **www.DicksonData.com/RL**

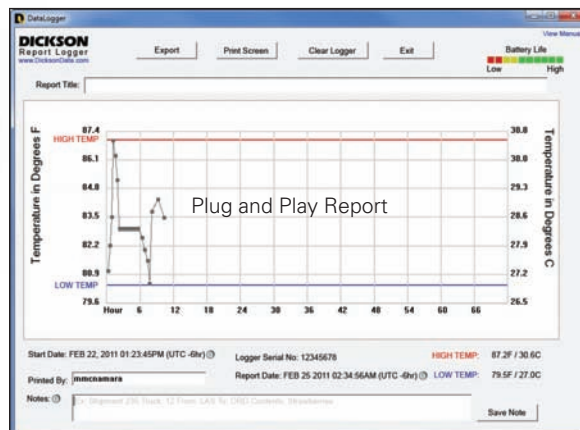


MODEL NUMBER	LOGGING PERIOD	SAMPLE RATE	OPERATING TEMPERATURE RANGE
RL101	1 Day	1 Minute	-40 to 176°F(-40 to 80°C)
RL103	3 Day	1 Minute	-40 to 176°F (-40 to 80°C)
RL107	7 Day	1 Minute	-40 to 176°F (-40 to 80°C)
RL110	10 Day	1 Minute	-20 to 176°F (-28 to 80°C)
RL120	20 Day	2 Minute	-20 to 176°F (-28 to 80°C)
RL140	40 Day	4 Minute	32 to 176°F (0 to 80°C)
RL175	75 Day	7 Minute	32 to 176°F (0 to 80°C)
RL190	90 Day	9 Minute	32 to 176°F (0 to 80°C)



Learn More Online!

Need help? See back cover for instructions.



DICKSON

WE'RE READY TO TAKE YOUR ORDER!

1-800-323-2448 or online at www.DicksonData.com

PRSRT. STD.
U.S. Postage
PAID
The Dickson
Company

Dickson
930 South Westwood Avenue
Addison, Illinois 60101-4917

800 323 2448 tel
800 676 0498 fax
www.DicksonData.com



Large, Easy-to-Read Display

- Flexible K-thermocouple temperature probe
- USB enabled fast downloading
- Flash memory option for easy data transfer
- Audio and Visual alarms
- available in two probe model (SM325)

See Page 16 for more information

\$299 Add \$99 for 1-Point NIST

3 Ways to Order

- 1** Online at www.DicksonData.com
- 2** Call 1-800-323-2448 or 1-630-543-3747 and speak to a Customer Service Representative
- 3** Fax to 1-800-676-0498 or 1-630-543-0498

All prices are subject to change without notice. In the event of a printing error, Dickson reserves the right to charge the correct price.
All shipments ship 2nd day unless otherwise requested.

* How to Use QR Codes



Quick Response (QR) codes are a type of barcode that can be read by cell phones and other readers. Simply download a QR Reader application on your cell phone (we like i-nigma, but there are many others), scan the code, and view additional content like detailed information or product videos!
For more information visit www.DicksonData.com/qr