

The Complete Solution

For Chart Recorders And Data Loggers.



Dickson Means Data.

And we mean business too. We know that products, processes, buildings, and monitoring application is vital to your business. For that reason, Dickson has been designing and manufacturing reliable data logging devices for over 80 years and continues to do so today.

When is it time to Calibrate?

The proper timing of recalibrating a monitoring device is very important. Dickson recommends once every year. Whether it is simply ensuring you're monitoring your application accurately or staying compliant for your auditing body (FDA, JCHAO, USDA, etc). Now, certain factors can make it so that you may need to calibrate more often. Let's take a look at those:

Your company, organization or auditor requires it. While Dickson products, when used as directed, can maintain their calibrations for over one year many companies or auditors desire the assurance that the data logger or chart recorder is reading properly while it is in use. To achieve this, companies with strict regulations like pharmaceutical manufacturers may require calibrations as often as every six months.

Your device is in extreme conditions. Dickson's temperature and humidity monitoring devices are made to withstand most of the elements, but extreme conditions can take their toll on a unit. If your device is in extremely hot, cold, or particularly humid environments it may benefit from being calibrated more often. Devices that get moved around or jostled may require additional calibrations as well.

You're monitoring vaccines in the Vaccines for Children program. Instruments being used in the Vaccine for Children program typically require calibration every two years (check with your auditor to be sure).

In any of these situations it is important to pay attention to your readings. If the readings seem off, first confirm with another thermometer, data logger, or chart recorder. If this is the case call us and we can set you with the proper calibration.

PLUS: Let us worry about reminding you to calibrate your monitoring instruments! Go to DicksonData.com/calclub to sign up for our reminder services.



TABLE OF CONTENTS

Calibrations

When is it Time to Calibrate? 2

Data Loggers

Temperature & Humidity Display Logger 4

Paperless Touchscreen Chart Recorder 5

Pro Series Data Loggers 6

Compact Data Loggers 7

WiZARD2 Wireless Logging System 8

Ethernet Loggers (WiZARD2 Compatible) 9

Report Logger 10

High Temperature Stainless Steel Loggers 10

Chart Recorders

8 Inch Temperature Chart Recorder 11

6 Inch Temperature Chart Recorder 11

8 Inch Temperature & Humidity Chart Recorder 12

6 Inch Temperature & Humidity Chart Recorder 13

4 Inch Temperature Chart Recorder 13

3 Inch Temperature Chart Recorder 14

Vaccine Chart Recorder 14

Voltage Chart Recorder 15

Disposable Chart Recorder 15

Thermometers & Indicators

Vaccine Alarm Thermometer 16

Temperature & Humidity Handheld Indicators 16

Infrared Temperature Thermometers 16

Pressure Monitors

8 Inch Pressure Chart Recorder 17

4 Inch Pressure Chart Recorder 17

Pressure Data Loggers 18

Featured Application

Back to School - Vaccine Storage 19

The Perfect Choice.

Versatility and Ease-Of-Use make this chart recorder a Dickson favorite.

The TH803 is one of our best selling chart recorders. Offering the highest data resolution, a digital display, Audio and Visual Alarms, as well as a remote probe it is the perfect choice for many applications.

For more information on this model and others like it see pages 11-14.

- 10 ft remote probe
- Battery Backup
- 24-Hour, 7-Day, or 31-Day Charts available
- Temperature Accuracy of +/- 1.8F (+/- 1C)
- Humidity Accuracy of +/- 3%
- Wall Mountable



Temperature Data Logger

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.



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

SM320 Temperature Model With Remote Probe

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.

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



TM325 Temperature Model With Remote Probe

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).

Digital Graph Displays Trends

Full control at your fingertips!

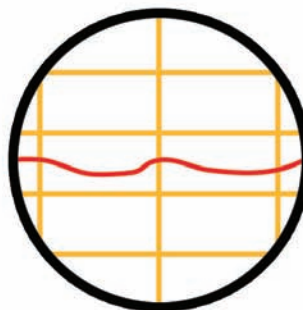
- Jumbo 4.1" x 5.5" touchscreen temperature and temperature/humidity logger
- Zoom and scroll at the touch of the screen
- Audible/visual alarms
- USB and FLASH card data download
- Rechargeable battery backup
- No running back to your PC to see data. Everything you need at the touch of a finger!
- Display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

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

FT500



Standard View



View precise data for any excursions

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
FT560	•	RTD	-148°F to 350°F	±1.2°F		\$599

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

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 ±1.2°F. Range -4 to 158°F.

TP425 \$249 Temperature and Humidity Logger. Digital Display. Accuracy ±0.8°F. Range -4 to 158°F.



SP425 Temperature Model

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



SP125

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 ±1.2°F. Range -10 to 176°F.

SP175 \$229 Temperature Logger with Thermocouple Probe. Accuracy ±1.8°F. Range -300 to 2000°F.

TP125 \$199 Temperature and Humidity Logger. Accuracy ±0.8°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).

Compact-Sized Data Loggers

Ideal when space is a concern!

Features

- USB connection
- Economical 12-pack
- Six month 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**.



Dickson Is More Than Print!

Dickson has a growing collection of great videos on:

- Product Introductions and Overviews
- Application Showcases
- How To's

Check out all our videos at www.youtube.com/dicksondata



Product Highlights



Applications



Instructional



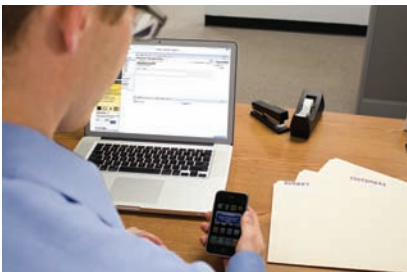
Have an idea for a video? Want us to highlight your application? Email marketing@dicksondata.com for details!

WⁱZARD² Simple, scalable, wireless data logging.



New calibration options; visit DicksonData.com/pcs for more information

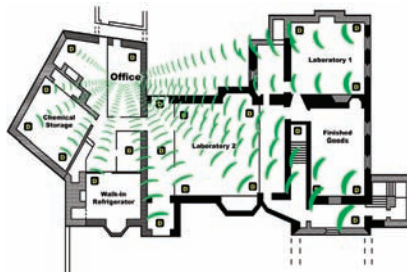
Systems Starting at
\$498



• Text and Email Alerts

Receive emails and/or text messages for:

- Excursions
- Low battery
- Lost communication
- Calibration due



• Large Monitoring Network

Create a large wireless network of loggers and add wired loggers when you have those hard to reach areas.



• Data Comes To You

No longer do you need to waste time running from logger to logger or building to building collecting all of your readings. Have all your data come back to one centralized computer and view the data across your network.

Ethernet Temperature Data Logger

Create a scalable monitoring network!

Features

- Email and Text alerts available
- Eliminates the need to change charts and pens
- Data automatically downloaded to your computer wirelessly
- Loggers continue to log in the event of a power outage

These loggers, while wired, are compatible with the WIZARD2 monitoring system and software. Use them in conjunction with your WIZARD2 system or without! They allow you to monitor locations that would have previously been cost prohibitive to monitor wirelessly.



WT540

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

Ethernet Temperature & Humidity Data Logger

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

WH545



To speak with a system specialist about an application, product, or other concern please call:

888.452.4626



Ready to build your system?
Visit:

DicksonData.com/wizard

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	-20 to 176°F (-30 to 80°C)
RL107	7 Day	1 Minute	-4 to 176°F (-20 to 80°C)
RL110	10 Day	1 Minute	-4 to 176°F (-20 to 80°C)
RL120	20 Day	2 Minute	32 to 176°F (0 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)

Stainless Steel Watertight Temperature Data Loggers

New generation of high temperature data logging!

Sample report generated by the compact-sized RL Report Loggers

Features

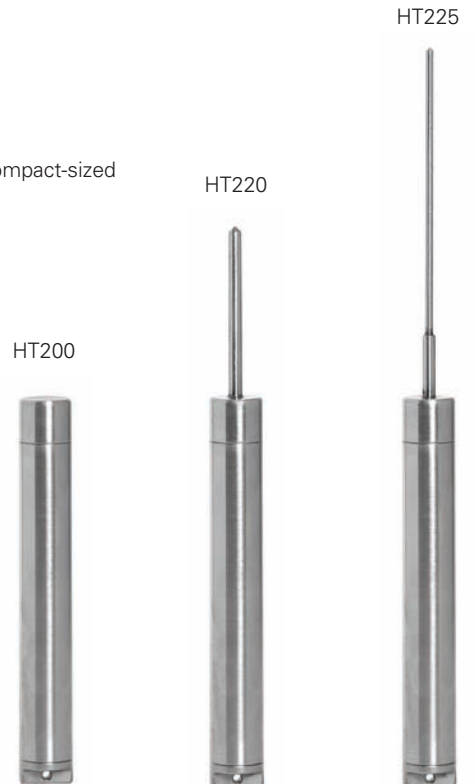
- User-replaceable battery
- USB download capability
- Reinforced probe on the HT225 to prevent breakages
- IP68 rating
- Range: -40 to 257°F

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.



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 \$419 Probe. Battery operated.

KT802 \$469 Probe. Display.

KT803 \$569 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



KT622

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 \$469 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

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

8 Inch Temperature & Humidity Chart Recorder

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

Industries & Applications

- Pharmaceuticals
- Archives
- Laboratories & Clean Rooms
- Warehouses
- Health - Blood storage, Dialysis Centers, Medical Centers

MODELS AND FEATURES

TH800 \$489 Battery operated.

TH802 \$569 Display.

TH803 \$679 Display. Alarm. Probe.

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

Not for use over 95% RH



TH803

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!



D617 \$52 10' K-TC Straight Extension Cable



D605 \$73 4" Piercing Probe



D608 \$99 5" Immersion Probe



A203 \$125 6" High Temperature Immersion Probe

6 Inch Temperature & Humidity 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

TH621 \$489 Probe.

TH622 \$569 Display.

TH623 \$679 Probe, Display, Alarm.

ALL MODELS HAVE THE FOLLOWING RANGES:

32 to 100°F • 0 to 50°C



TH623

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



SL4100 Temperature Model

Charts sold separately. For charts and accessories, please call 800.323.2448 or 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

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



SC367

3 Inch Mini Temperature Chart Recorder

Ideal when space is a concern!

Applications

- Refrigerators
- Clean Rooms
- Transportation
- Storage

\$219 Add \$99 for 1-Point NIST

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.



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 Selectable

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

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

Voltage Chart Recorder



ET855

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

\$659

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.



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

\$49 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

Vaccine Alarm Thermometer

MM120/125

Features

- LCD display shows current temperature, MIN/MAX temperatures, uses 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

Add \$99 for 1-Point NIST



MM125 Two Probe Temperature Indicator



TC200



TH300

Indicators

Quickest readings!

Available Features

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



D182 Infrared



D186 Infrared

MODEL	TEMPERATURE RANGES	PRICE
TEMPERATURE		
D182	-76 to +932°F	\$60
D186	-67 to 536°F	\$149
TC200	-300 to +2000°F	\$299
TEMPERATURE/HUMIDITY		
TH300	-22 to +185°F • -30 to 185°C	\$399

Add \$99 for 1-Point NIST

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 \$629 7-day. 0 to 100 PSI.

PW861 \$629 24-hour. 0 to 100 PSI.

PW864 \$629 7-day. 0 to 200 PSI.

PW865 \$629 24-hour. 0 to 200 PSI.

PW866 \$629 7-day. 0 to 300 PSI.

PW867 \$629 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 selectable

PW470 \$449 0 to 100 PSI.

PW474 \$449 0 to 200 PSI.

PW476 \$449 0 to 300 PSI.

PW479 \$449 0 to 500 PSI.



PW470

\$449

Add \$99 for 1-Point NIST

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

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



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



Featured Application: Back to School - Vaccine Storage

Summer is about half-way through and that means soon enough kids will be heading back to school. From young children heading to kindergarten for the first time and college seniors heading back to school for possibly the last time, these individuals will be heading to doctor offices and clinics around the country for back to school check-ups and vaccines.

Typically doctors offices, clinics, and hospitals will have higher than usual stock of vaccines and other drugs around this time of the year. Furthermore, this means the value of these products in a refrigerator is greater. Couple that with high temperatures, the occasional power outage, or storm and you might be at a higher risk for losing thousands of dollars worth of drugs and vaccines.

Ensuring proper 24/7 monitoring of your drug and vaccine refrigerators is the only way to know that your stock has remained within safe temperatures during a power outage or other incident.

The VFC70

- Digital display for quick reference
- Alarms alert you of potential problems



See Page 14 for more details.

The FT540

- All the data is at your fingertips. No computer required!
- Dual probe model available (FT545). Monitor refrigerator and freezer with one unit!



See Page 5 for more details.

* Other Products Great for Monitoring Vaccine and Drug Refrigerators

VFC320/325 (Page 4, look for SM320/325) and the MM120/125 (Page 16).

DICKSON

Dickson
930 South Westwood Avenue
Addison, Illinois 60101-4917

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

PRSR.T. STD.
U.S. Postage
PAID
The Dickson
Company

WE'RE READY TO TAKE YOUR ORDER!

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



Application Focus: Back to School - Vaccine Storage

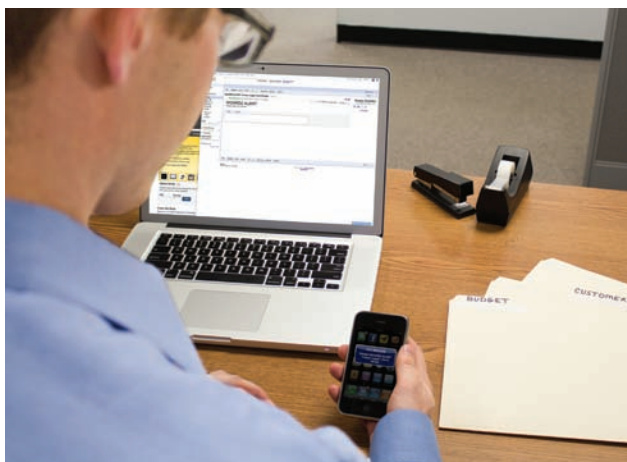
See Page 19 for case study



VFC70



FT540



Text and Email Alerts

Receive emails and/or text messages for:

- Excursions
- Low battery
- Lost communication
- Calibration due



To speak with a system specialist about an application, product, or other concern please call:

888.452.4626

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.