

DICKSON SP175

PRO SERIES USB TEMPERATURE DATA LOGGER

Dickson's Pro Series Temperature Data Logger with Remote Probe has gotten even easier to use. The new SP175 features high speed USB connectivity, high/low LED alarm and user replaceable battery, setting a new standard in accurate, easy-to-use, affordable PC based recording.

The SP175 is a self-contained, low cost temperature data logger equipped with an external K-Thermocouple temperature probe for extreme ranges up to +2000F and an internal sensor for recording air temperatures. Due to its compact size and rugged design the SP175 can be placed just about anywhere.

User-friendly DicksonWare™ software makes it simple to integrate recorded temperature and humidity data into documents and spreadsheets, giving results a professional, polished look. When fulfillment of regulatory requirements or accurate recording of temperature for quality control is needed, the SP175 is the perfect instrument.



Specifications:

Internal Temperature Range: -10 to +176°F (-23 to +80°C)

Internal Temperature Sensor: Internal digital temperature sensor

Internal Temperature Accuracy: ±1.8°F (±1°C)

External Temperature Range:

Full Range: -238 to +2000F (-150 to +1093°C) (for ranges above 500°F order A203 probe)

Range with standard bead -wire probe: -238 to +400°F (-150 to +204°C)

External Temperature Accuracy: ±1.8°F (±1°C) logger only

IP Rating: IP20

Remote Probe Length: 4' cable

Data Storage: 32,000 sample points (16,000 per channel)

Sample Interval: Records data in configurable 1 second to 24 hour intervals in 1 second increments

Power Supply: CR24450 Lithium; Life: 1 year typical, User Replaceable

Calibration: User-zero point using SW400 software; Factory: zero and span

Alarm: Flashes Red when high/low limits are met

Power Status Indicator: LED Flashes Green when sampling

Resolution: 0.1 F (0.1 C)

Response Time: Internal Channel: 10 minutes to move 63% of full scale; External Channel: 1 minute to move 63% of full scale

Enclosure: Polycarbonate

Memory: Non-volatile (retains data when battery is removed)

Approvals: CE

Weight: 1.9 oz (53 g)

Dimensions: 3.1" x 2.1" x 0.9" (79mm x 54mm x 22mm)

A015 -DicksonWare™ Specifications:

Compatible With: Microsoft Windows® 98 and up

PC Requirements: PC w/486MHz 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' (2 meters)

Computer Interface: USB

DicksonWare™ Version Required (minimum): 10

DICKSON

www.dicksonweb.com

930 S. Westwood Ave., Addison, IL 60101-4917

Toll Free Phone: 1-800-323-2448 • Toll Free Fax: 1-800-676-0498

All specifications are subject to change • Made in U.S.A.

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Ordering Information

TO GET STARTED: SP175 and A016

Description	Order No.
Pro Series Dual Channel K-Thermocouple Data Logger	SP175
DicksonWare™ Software & USB Download Cable - English	A016
DicksonWare™ SECURE Software & USB Download Cable - English	A026
DicksonWare™ Software & USB Download Cable - French	A036
DicksonWare™ Software & USB Download Cable - Spanish	A046

Accessories

Description	Order No.
NIST Traceable Calibration 3-pt. (new units)	N300
NIST Traceable Calibration 1-pt. (new units)	N100
A2LA Accredited Calibration 3-pt. (new units)	N400
Waterproof Pouch	A713
Locking Wall Mount Case	A715
Calibration Software	SW400
Certificate of Validation	N520

Optional Probes

Description	Order No.
4" Piercing Probe, 5' Coiled Cable, +1650°F (+900°C)	D605
5" Immersion Probe, 5' Coiled Cable, +1650°F (+900°C)	D608
6" High Temperature Basic Probe, +2100°F 316 Stainless Steel	A203



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