

HIOKI

2000



3650 TEMPERATURE LOGGER

Environmental Measurement Instruments



Ultra-Compact, Button-Sized Temperature Recorder

Stores up to 2,048 temperature measurements

(Approx. one year at 255-minute intervals)

Built-in sensor, memory and power source

Wide measurement range (-40 to 85°C)

17.35mm

PC Compatible

3920-01 DATA READER



3921
DATA CHECKER



Detect Abnormalities

Easily check whether temperatures exceeding set limits have been recorded. This is extremely valuable to operations involving shipping and receiving of perishable commodities.

Easily installs anywhere with
special antibacterial holder

Can be mounted with magnets, screws, etc.



ISO14001
JQA-E-90091



<http://www.hioki.co.jp/>

HIOKI company overview, new products, environmental considerations and other information are available on our website.

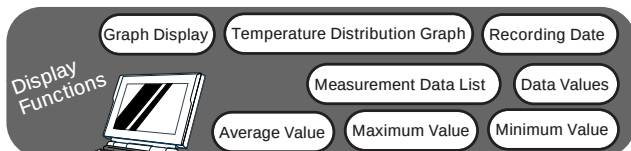


Temperature recording for food processing, display, sale and transport

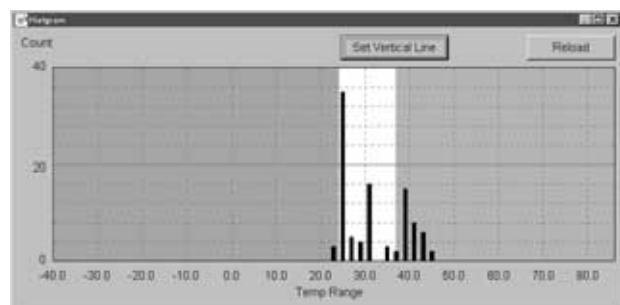
Ultra-Compact Logger Enhances Temperature Management Systems

- Temperature data can be easily analyzed and managed with PC bundled analysis software (for Windows 95/98, DOS/V compatibles)

Recorded data can be loaded into the PC using the 3920-01 DATA READER, where up to five data channels can be displayed graphically, managed and stored.



Temperature History Data Graph



Temperature Distribution Graph

■ 3650 TEMPERATURE LOGGER Specifications

Measurement range	: -49 to 85°C at 0.5°C resolution (1 ch.)
Accuracy	: ±2°C from -40 to -10.5°C, ±1.5°C from -10 to 30°C, ±2°C from 30.5 to 85°C
Transfer time	: Max. 10 min. (time to show up to 90% of changed value, from reference value)
Recording capacity	: 2,048 data samples (about 1 year at 255 min. recording intervals)
Recording start	: Programmable time
Recording end	: Endless, or until memory full
Recording interval	: 1 to 255 minutes
Recording methods	: One-time, stop at memory full; Endless (oldest data overwritten when memory full)
Interface	: RS-232C (using 3920-01 DATA READER)
Power source	: Internal battery (non-replaceable), provides 500,000 measurements or more
Battery life	: Approx. 4 years (at 55°C or less, with continuous use at 5-min. intervals)
Dimensions and mass	: Approx. 17.35 dia. × 5.89 thick (mm), 3.3 g
Operating/storage temperature	: -40 to 85°C
Waterproofing	: IP67
Accessories	: Special mount, magnetic sticker, mounting screws
Option	: 3920-01 DATA READER, 3921 DATA CHECKER
Conforming standards	: EMC EN61326-1 : 1997+A1 : 1998

■ Up to One Year's Temperature Data Recorded in 2,048 Measurements

Up to 2,048 measurements can be recorded, with measurement intervals selectable from one to 255 minutes, and the longest recording of about one year's worth of temperature measurements.

Measurement Interval	Measurement Time
1 min.	1.4 days
3 min.	4 days
5 min.	7 days
10 min.	14 days
30 min.	42 days
60 min.	85 days
:	:
255 min.	Approx. 1 year

(Battery life is about four years when operating continuously with five-minute measurement intervals below 55°C. The battery is not replaceable.)

■ Easily and Reliably Record Temperature Anomalies

- Upper and lower temperature limits can be set to emit an alarm, so unusual thermal events can be confirmed.
- The main unit provides a memo function for writing information such as measurement location.

Settings

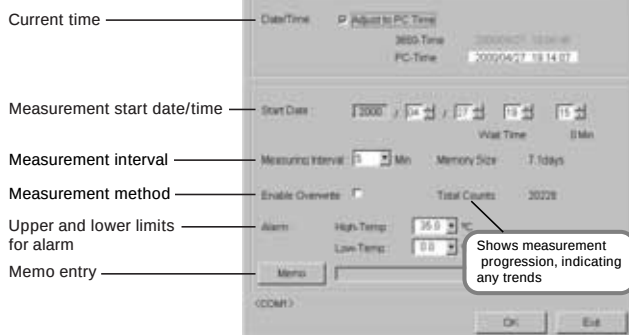


Image of Start Settings

■ 3920-01 DATA READER Specifications

Dimensions and mass	: Approx. 108.5W × 25H × 6.5D mm, approx. 84 g
Operating temperature & humidity	: 0 to 40°C at 85% RH or less (no condensation)
Storage temperature & humidity	: 0 to 40°C at 85% RH or less (no condensation)
Accessories	: Communications adapter, cable and PC software (3 floppy diskettes)
Conforming standards	: EMC EN61326-1 : 1997+A1 : 1998

● PC Software Specifications

Operating system	: Windows 95/98
Printing	: Graphics printing (max. 5 ch/min.)
File format	: Proprietary format (binary), Text conversion format (CSV) * CSV = comma-separated values readable by Excel

Windows95/98 are registered trademark of Microsoft Corporation

3650 TEMPERATURE LOGGER

● Option

3920-01 DATA READER
3921 DATA CHECKER

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All information correct as of Jun. 14, 2000. All specifications are subject to change without notice.

■ Internet HIOKI website <http://www.hioki.co.jp/>

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