

## 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



ISO14001  
JQA-E-90091



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

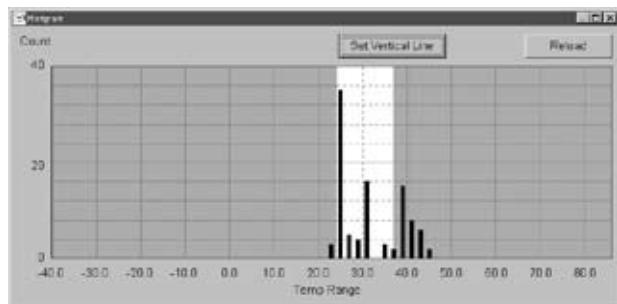
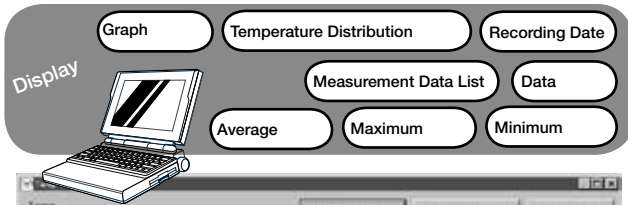
HIOKI company overview, new products, environmental considerations and other information are available on our website.



# 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 16 data channels can be displayed graphically, managed and stored.



## ■ 3650 TEMPERATURE LOGGER Specifications

- Measurement range** : -40 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 50°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  
Measurement cannot be taken under water. Do not submerge.
- 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

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 50°C. The battery is not replaceable.)

## ■ Easily and Reliably Record Temperature

- 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

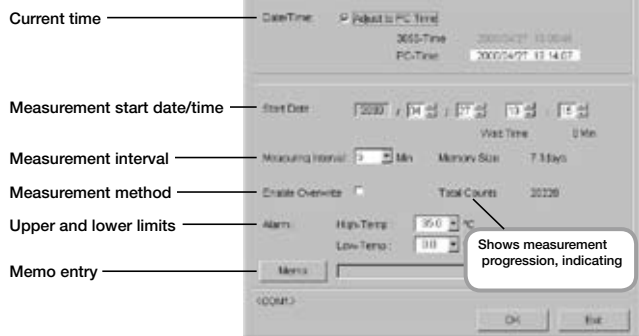


Image of Start Settings

## ■ 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 (CD-R)
- Conforming standards** : EMC EN61326-1 : 1997+A1 : 1998

## ● PC Software Specifications

- Operating system** : Windows 95/98
- Printing** : Graphics printing (max. 16 ch)
- File format** : Proprietary format (binary),  
Text conversion format (CSV)

Windows95/98 are registered trademark of Microsoft Corporation

## 3650 TEMPERATURE LOGGER

### ● Option

**3920-01 DATA READER**  
**3921 DATA CHECKER**

Note: Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.



**Headquarters :**  
81 Koizumi, Ueda, Nagano, 386-1192, Japan  
TEL +81-268-28-0562 / FAX +81-268-28-0568  
http://www.hioki.co.jp / E-mail: os-com@hioki.co.jp

**HIOKI USA CORPORATION :**  
6 Corporate Drive, Cranbury, NJ 08512 USA  
TEL +1-609-409-9109 / FAX +1-609-409-9108  
http://www.hiokiusa.com / E-mail: hioki@hiokiusa.com

**HIOKI (Shanghai) Sales & Trading Co., Ltd. :**  
1608-1610, Shanghai Times Square Office, 93 Huai Hai Zhong Road  
Shanghai, P.R.China POSTCODE: 200021  
TEL +86-21-63910090/63910092 FAX +86-21-63910360  
http://www.hioki.cn / E-mail: info@hioki.com.cn

**Beijing Office :** TEL +86-10-84418761 / 84418762

**Guangzhou Office :** TEL +86-20-38392673 / 38392676

**HIOKI INDIA PRIVATE LIMITED :**  
Khandela House, 24 Gulmohar Colony Indore 452 018 (M.P.), India  
TEL +91-731-4223901, 4223902 FAX +91-731-4223903  
http://www.hioki.in / E-mail: info@hioki.in

**HIOKI SINGAPORE PTE. LTD. :**  
33 Ubi Avenue 3, #03-02 Vertex, Singapore 408868  
TEL +65-6634-7677 FAX +65-6634-7477  
E-mail: info@hioki.com.sg

DISTRIBUTED BY