

Temperature Recording System (Data Reader)

HIOKI

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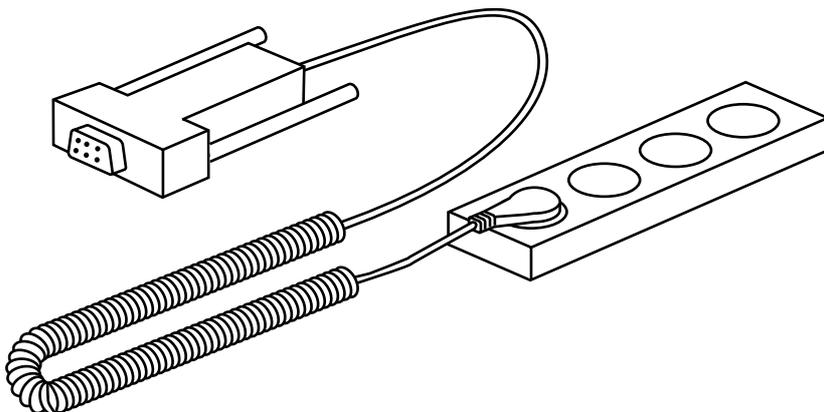


Instruction Manual

Thank you for your purchase of our product.
Before using this system, read this User's Manual for the proper operation.
This manual should be retained carefully. It will surely be helpful for the future use.

Contents

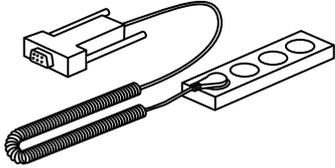
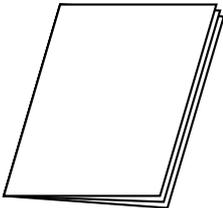
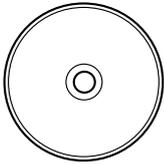
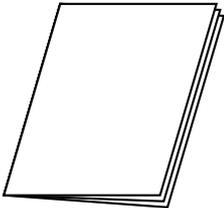
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Before Use

Check the Packaging

Take out the user's manual and make sure that the following items are included in your package.

	3920-01 Data Reader	1
	3920-01 Instruction Manuals(this book)	1
	The Software for Personal Computer (3920-01) For Windows 98/Me (CD-R)	1
	Software Operation Manual	1
	Software License Agreement	1

Safety Instructions

- Before using, read this 'Safety Instructions' thoroughly for the proper operation.
- Safety Instructions written in this manual are intended for the proper use of our product to prevent the risk of harming or damaging people. Safety instructions are divided into two sections; WARNING and CAUTION. WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury. CAUTION also indicates such a hazardous situation which, if not avoided, could result in serious consequences in some cases.

Warning indicates a potentially hazardous situation which could result in death or serious injury when the product is not handled properly.

Caution indicates a potentially hazardous situation which could result in serious consequences in some cases when the product is not handled properly.

- The **!** mark within a black circle denotes the required procedure.
- After reading this manual, keep it in a place where anyone can have access at any time.

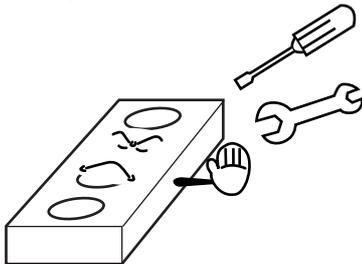
Instructions for Use

Warning



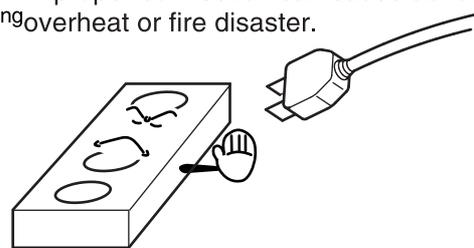
No Disassembling

Do not attempt to disassemble or service the product. Such an act can cause abnormal overheating or fire disaster. Refer to the qualified service personnel.



No Connecting

Do not connect the cable of signals or power to the 3920-01 communication connector other than those from a computer's RS-232C port. Improper connection can cause abnormal overheating or fire disaster.

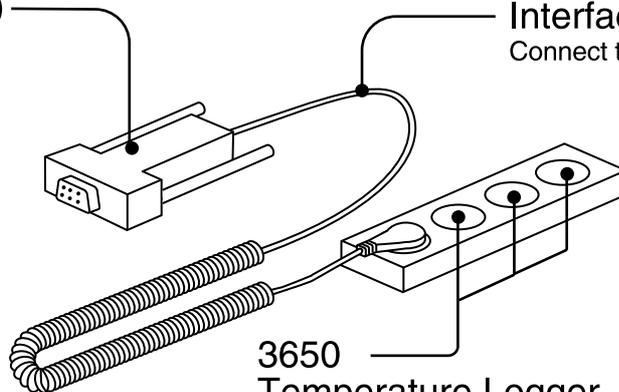


Part Names and functions

3920-01 Data Reader

Power Adapter(included)
Connect with your computer

Interface Cable(included)
Connect to the included Power Adapter



3650
Temperature Logger
Place the 3650s on this area securely

Features

List of Features

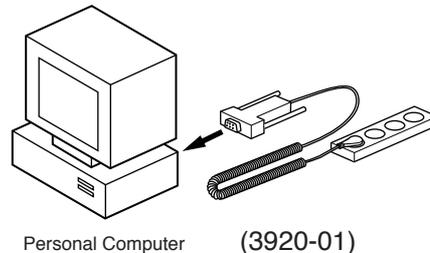
Communication Feature

Features the interface between the 3650 Temperature Logger and a computer.
Various settings of the 3650 Temperature Logger can be configured with a computer.
The measured data stored in the 3650 Temperature Logger can be sent to a computer.

Operating Procedure

Before the Operation

Connect the computer and the 3650 Temperature Logger as illustrated below.
The Connector of the communication cable of the Data Reader is D-Sub 9 pin.

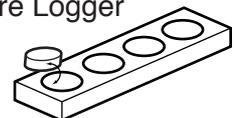


! Caution

Insert the connector of the cable securely to eliminate the possibility of contact failure.
Otherwise, the data transfer may be delayed or malfunctions may occur.

Place the 3650

Place the 3650 Temperature Logger on the corresponding area of 3650 Temperature Logger with the front side (side-riseless side) down.



! Caution

Make sure that there is no gap between the 3650 and the Data Reader.
Such a gap may cause data read error.

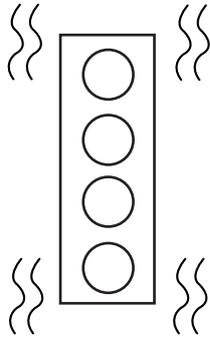
The Configuration and the reading method of the 3650

Configuring the setting (default setting) of the Data Reader and Reading the data from the 3650 are operated with a computer. Refer to the Software Manual for the details.

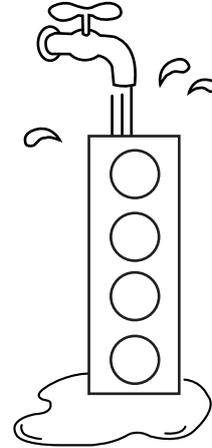
Precautions for Use

Precautions for Use

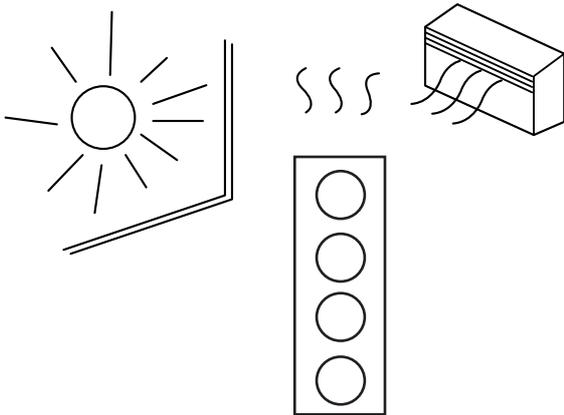
Avoid using the 3650 in any place where it will be subject to vibration. Otherwise, it may cause failure.



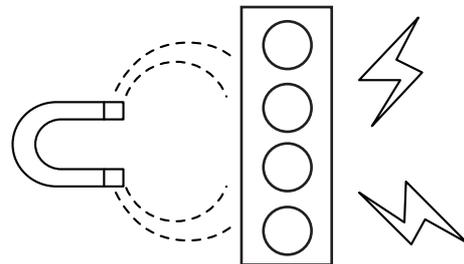
Avoid exposing the Reader to rain or humidity. Otherwise, it may cause failure.



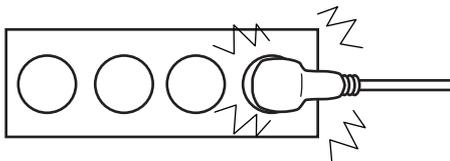
Avoid exposing the 3650 directly to the sun or using it near fire. Otherwise, it may cause failure.



Keep the Reader away from strong magnetic field or static electricity. Otherwise, it may cause malfunction or failure.



Don't apply strong forces on the connector of the communication cable. Otherwise, it may cause failure.



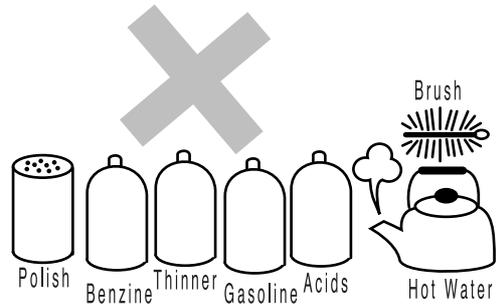
Maintenance

1 The Exterior

Wipe the Data Reader with a dry, soft cloth. Wipe with a cloth soaked with watered neutral washing liquid if it is heavily dirty.

Warning Don't expose the Reader directly to water or wash it in water. Such an act can result in shorting out parts or electric shock.

- Regular cleaning is recommended to keep the 3920-01 clean all the time.
- Don't wipe with polish, powder soap, benzene, oil or hot water. Those substances may damage coating or plastics.
- Don't use any washing liquid other than neutral washing liquid.



2 Points to be checked

Check the following points after the cleanup of the Reader is complete.

- Is the auxiliary cable connected to the Reader properly ?
- Doesn't it make an abnormal sound (noiseless in ordinal condition) or emit an abnormal heat ?

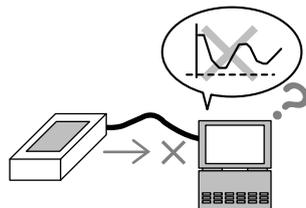
Feel free to ask the shop where you purchased the product or the service center if you have any questions.

Before asking for a service

Before asking for a service, check the following items. If something is still wrong after the checks, contact the shop where you purchased the product or the service center, and report the "Information we need" described below.

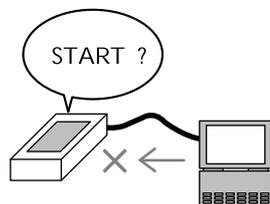
Caution Don't hit the Reader or give a shock to it. Such an act can damage the internal electronic parts. Do not plug and unplug the RS-232C cable excessively many times in a short period of time. Such an act can cause the contact failure of the socket and stop the function of the Reader.

The data cannot be read



- Is the initial setting of the 3650s proper ?
- Is the 3920-01 not damaged ?
- Is the 3650 placed correctly ?

The 3650 cannot be configured



- Is the 3650 placed correctly ?
- Are the cable and the adapter connected properly ?

Declaration of Conformity

HIOKI

DECLARATION OF CONFORMITY

Manufacturer's Name: HIOKI E.E. CORPORATION
Manufacturer's Address: 81 Koizumi, Ueda, Nagano 386-1192, Japan
Model Number and Product Name:
3650 TEMPERATURE LOGGER
3921 DATA CHECKER

The above mentioned products conform to the following product specifications:

EMC: EN 61326-1:1997+A1:1998
Class B equipment
Portable test and measurement equipment.

Model Number and Product Name:
3920-01 DATA READER

The above mentioned product conforms to the following product specifications:

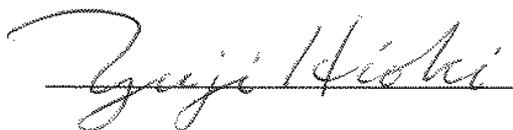
EMC: EN 55022:1998 class B
EN 50082-1:1992

Supplementary Information:

The product herewith complies with the requirements of the EMC Directive 89/336/EEC, but is not applicable to the Low Voltage Directive 73/23/EEC.

8 September 2000

HIOKI E.E. CORPORATION



Yuji Hioki
President

3650A999-00

Specifications

Product Name	3920-01
Operating Conditions	0 to 40°C < 85%rh (no condensation)
Storage Conditions	0 to 40°C < 85%rh (no condensation)
Data Communications	Between Personal Computer RS-232C 9600bps
Software	Temperature Recording System Software
	CPU :486DX4(100MHz) or higher microprocessor OS :Windows98/Me Memory :32MB (or higher) of RAM Hard Disk :with 8MB minimum of free hard disk space CD-ROM Drive
Conformity	EN 55022 : 1998 Class B EN 50082-1 : 1992
Weight	84g

HIOKI

HIOKI E. E. CORPORATION

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◎ User Memo

Write the follows when you purchase this product.

This memo will be surely helpful to send the product to service.

The Production Number	
The date of purchase	
Shop Name	
	TEL