# HIOKI
# 9329
## TERMINAL UNIT
### INSTRUCTION MANUAL

Printed in Japan

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### Introduction
Thank you for purchasing the HIOKI "9329 TERMINAL UNIT". To obtain maximum performance from the product, please read this manual first, and keep it handy for future reference.

### Initial Inspection
When you receive the product, inspect it carefully to ensure that no damage occurred during shipping. If damage is evident, or if it fails to operate according to the specifications, contact your dealer or Hioki representative.

### Maintenance and Service
• To clean the product, wipe it gently with a soft cloth moistened with water or mild detergent. Never use solvents such as benzene, alcohol, acetone, ether, ketones, thinners or gasoline, as they can deform and discolor the case.
• If the product seems to be malfunctioning, contact your dealer or Hioki representative.
• When transporting the product, use the original packing materials in which it was shipped, and pack in a double carton. Damage occurring during transportation is not covered by warranty.

## Overview

The Model 9329 TERMINAL UNIT is an option for the Hioki Memory HiLoggers. By connecting it to the Memory HiLogger, input cables with crimp-type terminals can be directly connected.

## Safety

Be sure to read the Danger, Warning, Caution and Notes information in the instruction manual supplied with the Memory HiLogger, and always follow the included precautions.

**Safety Symbol**

| ⚠ | In the manual, the ⚠ symbol indicates particularly important information that the user should read before using the product. The ⚠ symbol printed on the product indicates that the user should refer to a corresponding topic in the manual (marked with the ⚠ symbol) before using the relevant function. |
|---|---|

The following symbols in this manual indicate the relative importance of cautions and warnings.

**⚠DANGER** Indicates that incorrect operation presents an extreme hazard that could result in serious injury or death to the user.

**⚠WARNING** Indicates that incorrect operation presents a significant hazard that could result in serious injury or death to the user.

**⚠CAUTION** Indicates that incorrect operation presents a possibility of injury to the user or damage to the product.

**NOTE** Advisory items related to performance or correct operation of the product.

For the measurement category, refer to the instruction manual of the Memory HiLogger.

## Usage Notes ⚠

This manual contains information and warnings essential for safe operation of the product and for maintaining it in safe operating condition. Before using the product, be sure to carefully read the following safety notes.

**⚠WARNING**
• **To avoid electric shock, make sure the instrument is turned off when connecting or removing the terminal block.**
• **To avoid electric shock, never connect or remove the terminal block from the instrument while power is applied to a circuit to which an input cable is connected.**

**⚠CAUTION**
To avoid electric shock and damage to the instrument, always use with the terminal block cover in place. Also note that, if the instrument is used without the terminal block cover in place, the specified measurement accuracy may not be achieved.

**NOTE**
• The operating environment is the same as that of the Memory HiLogger instrument.
• Reference Junction compensation when using thermocouple: When internal, if the cover is not in place, measurement error between channels may be larger.
• If the input cables are longer than 3m, ingress of EMC environmental effects such as noise may occur.

### Preliminary Checks
Before using the product the first time, verify that it operates normally to ensure that the no damage occurred during storage or shipping. If you find any damage, contact your dealer or Hioki representative.

## Specifications

| Compatible models | Hioki MEMORY HiLOGGERs |
|---|---|
| Input terminals | M3 Screw Terminal Block (4 terminals per channel when connected to the 8420-01(-51) and 8421-01(-51), 2 terminals per channel when connected to the 8422-01(-51)) Terminal Block Cover (accessory) Terminal Pitch: 8.89 mm Crimp-Type Terminal Width: 7.2 mm max. |
| Measurement accuracy | Determined by specification of the connected Memory HiLogger (with reference junction temperature detection element installed) |
| Size | Approx. 171.2W X 126.2H X 48.3D mm (6.74"W X 4.97"H X 1.90"D mm) |
| Weight | Approx. 750 g (26.5 oz.) |
| Accessories | CH labels (for Model 8420-01(-51)/8421-01(-51) or 8422-01(-51)) Wiring diagram labels (for Model 8420-01(-51)/8421-01(-51) or 8422-01(-51)) Instruction manual |
| Operating Environment | Indoors, <2000 m (6562 feet) ASL |
| Operating Temperature & Humidity | 0 to 40°C (32 to 104°F) at 30 to 80%RH (non-condensating) |
| Storage Temperature & Humidity | -10 to 50°C (14 to 122°F) at 30 to 80%RH (non-condensating) |
| Standards | Determined by specification of the connected Memory HiLogger |

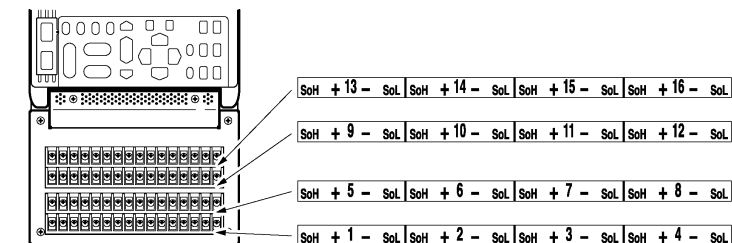## Connecting the Input Cables

Refer to the Memory HiLogger instruction manual for the connection location of the analog input cables.
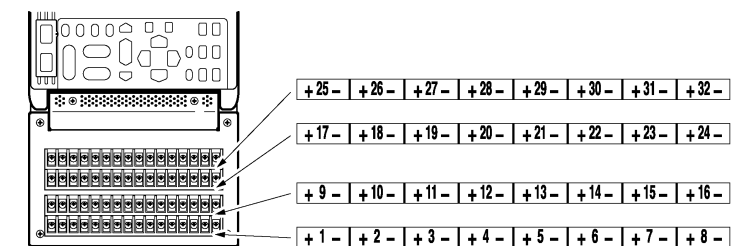
**Using the Labels**
Channel and wiring diagram labels are included. Use them as appropriate for the Memory HiLogger model (8420-01(-51), 8421-01(-51) or 8422-01(-51)) to be connected.

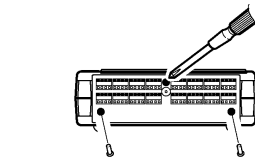**9329 Terminal Unit Channel Arrangement Table**
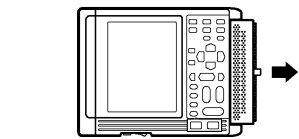
When used with the 8420-01(-51) and 8421-01(-51)
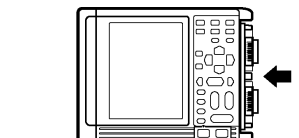


When used with the 8422-01(-51)
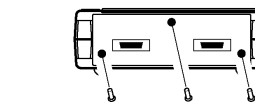


## Connecting and Removing the Terminal Unit



1. Loosen the three screws on the front of the terminal block of the Memory HiLogger with a Phillips screwdriver.
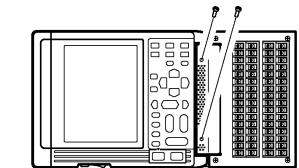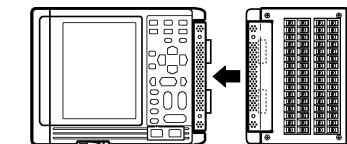
2. Pull the terminal block out toward the front, and remove it.
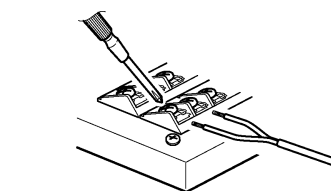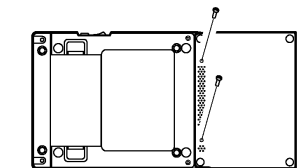
3. Install the metal plate in the direction indicated in the drawing, and affix it with the supplied screws.
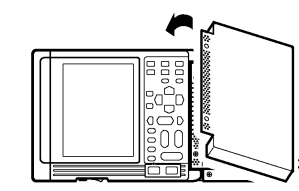
4. Mate the connectors of the 9329 TERMINAL UNIT and the Memory HiLogger.
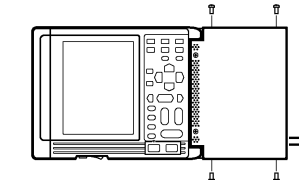
5. Affix the Terminal Unit to the Memory HiLogger using the supplied screws (two places in the front and back).

6. Connect the input cables to the terminal block.

7. Install the cover and affix it with the supplied screws (two places at the right and left).

After connecting the input cables to the terminal block, always affix the cover before starting measurements.