



Digital Thermometer

TA410AX/BX

Instruction Manual



 **ICHINEN TASCO CO.,LTD.**

1-2-16 Kawaguchi, Nishi-ku, Osaka 550-0021 JAPAN
Phone: 81-6-6584-0809 Fax: 81-6-6584-1056
Web Site: <http://www.tascojapan.co.jp/>



JY20130319TA410AX_1

Thank you for purchasing the TA410AX/BX Digital Thermometer. Please read this instruction manual carefully before use so that you can use the product properly.




 **ICHINEN TASCO CO.,LTD.**

Safety Precautions





Before operation, read this "Safety Precautions" section carefully to use the product properly. The precautions shown herein are divided into the two categories. Since both of them contain important safety precautions, make sure that you observe them.

	Warning	Improper handling poses the risk of death or serious injury.
	Caution	Improper handling poses the risk of injury or damage to the product or property. However, in some cases, this could result in serious damage.





Symbols





	This symbol evokes your "Attention".
	This symbol denotes "Don'ts".
	This symbol denotes "Musts".

About the Main Unit

-  **Caution**
-  Do not use this product for improper purposes.
-  Stop using the product as soon as you notice an anomaly
-  Do not disassemble or modify this product.

About the Battery

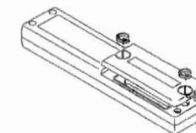
-  **Warning**
-  Never throw
-  Never recharge the battery.
-  Use the designated battery (006P 9V).

-  **Caution**
-  Observe the polarity (+/-) of the battery.
-  Remove the battery when the battery has expired or if the unit is not to be used for a long period of time.
-  The battery life will vary depending on operating temperatures.

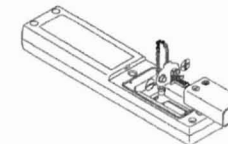
1. Battery Installation

* Turn off the unit when you replace the battery.

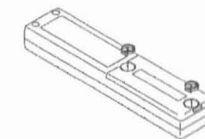
- (1) Use a coin to unscrew the battery cover.



- (2) Connect the battery cable to the battery and put it in the case.

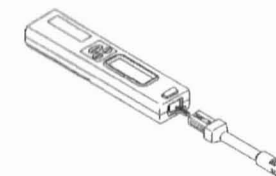


- (3) Close the battery cover and firmly tighten the two screws.

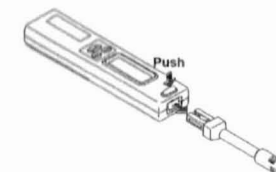


2. Probe Installation and Extension Cord Connection

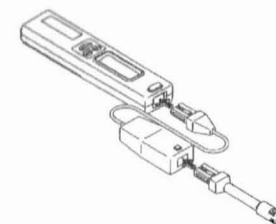
- (1) To install the probe, insert the probe into the unit as in the right figure. After installation, lightly pull the probe to check that it will not come off.



- (2) To remove the probe, pull out the probe while pushing the probe stopper.



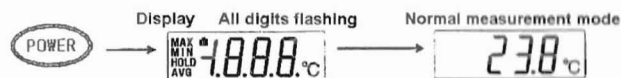
- (3) To install the extension cord, like the probe, connect it to the unit as in the right figure. To remove it, like the probe, pull out the cord while pushing the probe stopper. The probe connection of the extension cord is also equipped with a probe stopper.



3. Operating Procedures and Features

(1) Power ON/OFF

Press the **POWER** key. After all the digits have flashed on the display for one second, the unit is ready for measurement. Press the **POWER** key again to turn the unit off.



Press the **POWER** key to turn off the unit at any point of time during operation. Also, turned on, the unit is set in the normal measurement mode.

* This instruction manual describes the situation where the unit has just been turned on (the situation where there is no feature indications on the left side of the display) as the normal measurement mode.

(2) HOLD Features (See the chart on Page 4.)

1. HOLD Feature

This feature holds the indication of the current measured temperature. "HOLD" flashes on the display.

2. Maximum Value HOLD Feature (MAX HOLD)

"MAX" and "HOLD" flashing on the display means that the unit holds the indication of the constantly updated highest temperature.

If an error occurs, the unit will hold the indication of the error.

3. Minimum Value HOLD Feature (MIN HOLD)

"MIN" and "HOLD" flashing on the display means that the unit holds the indication of the constantly updated lowest temperature.

If an error occurs, the unit will HOLD the indication of the error.

4. Average Value HOLD Feature (AVG HOLD)

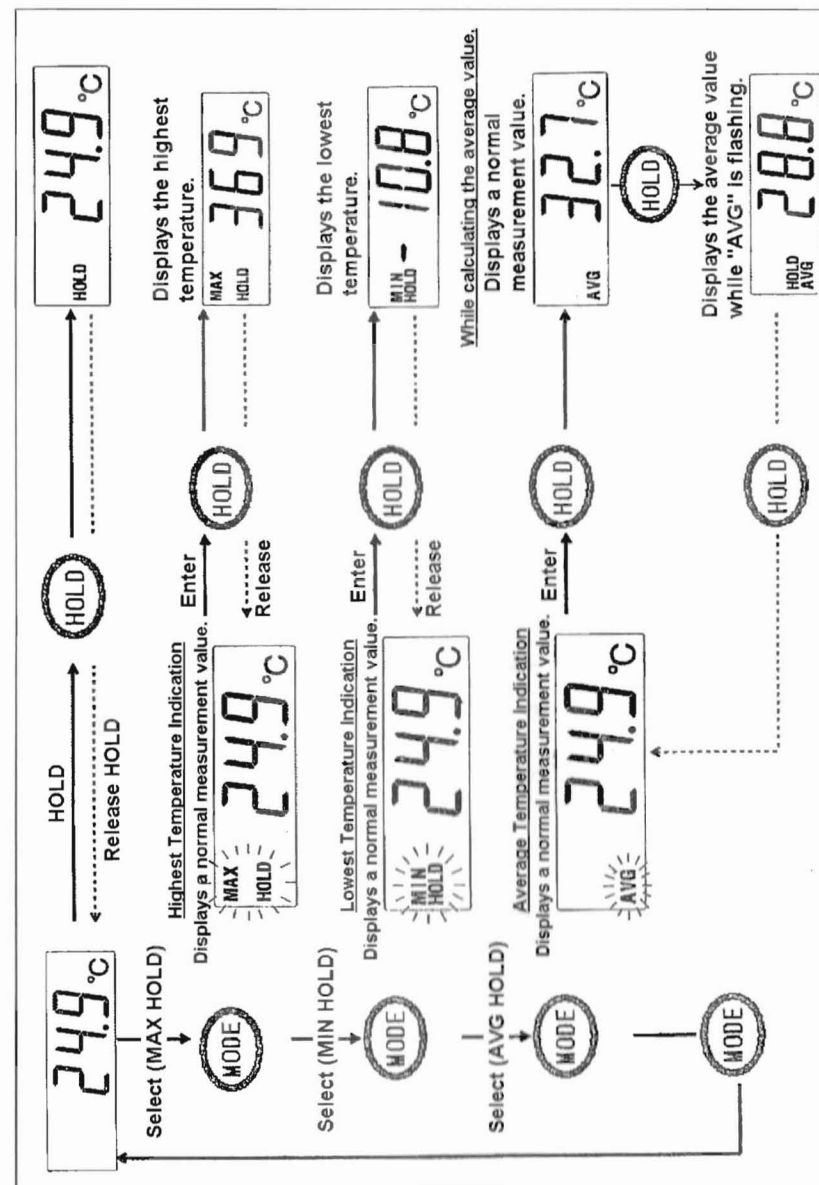
This feature indicates the average values between any two points of time.

While "AVG" is flashing on the display, the unit retains the temperature data being measured. In so doing, the unit indicates the actual temperature data.

Press the **HOLD** key to have "AVG" and "HOLD" flash on the display. The unit will hold the average value calculated based on the temperature data retained in it.

The unit can average the data for up to 5 hours. If the unit is used for more than 5 hours, the feature will be canceled.

If an error occurs during equation, the unit will hold the indication of the error.



4. Error Messages

(1) Broken Detection Terminal Indication

If the detection terminal of the probe gets broken or the probe is not connected, "Err" is indicated on the display as in the right figure.

If so indicated, replace or connect the probe.

Err

(2) Over Range Indication


If the temperature being measured goes beyond the measurable range, "or" or "-or" is indicated on the display.

or

-or

* This indication may appear when the detection terminal of the probe is almost broken. If it is clear that the temperature being measured is within the measurable range, check the probe. In addition, if the instrument reading abnormally fluctuates, check the probe.

(3) Low Battery Indication

If the battery voltage gets low, the low battery voltage indication  will flash with 5 hours of life left.

In addition, the whole display is programmed to blink with 30 minutes of life left.

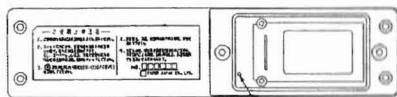
24.9°C

* The duration of the low battery voltage indication varies depending on the battery type and environment.

(4) Troubleshooting

If you have found a problem with the display or features, use a thin stick to press the reset button located on the battery compartment.

Pressing the reset button will reset the unit to the same setting as it has just been turned ON.



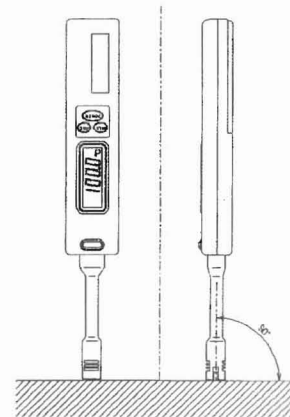
Reset button

* If the unit will not operate properly even after pressing the reset button, the unit may have been damaged. In such a case, contact your authorized dealer.

5. How to Place the Probe

Place the probe perpendicular to the contact surface or facing to the direction wind is coming from. In addition, note that the unit will not operate properly if the surface is rough or uneven.

* Before measurement, check the measurable range of the probe. If you measure a temperature beyond the range, there is a risk of failure and/unexpected injury.



6. Maintenance

(1) Storage

When you store the unit, avoid such places as follows:

- * Place exposed to direct sunlight
- * Place that oscillates violently
- * Place where the humidity is high (above 80% R.H.)
- * Hot atmosphere (above 50°C)
- * High electromagnetic field

(2) If the Housing Gets Dirty

If the housing gets dirty, immerse a shop towel in water or oil to wipe the housing. The housing is made of ABS resin. Do not use organic solvents such as thinner, benzene and alcohol. These solvents may deform and/or discolor the housing and keyboard.

-MEMO-

8

-MEMO-

7

-MEMO-

Warranty

Thank you very much for purchasing one of our products. This product has been manufactured through a perfect quality control and strict inspection process. However, should a failure occur despite proper use, we warrant the product for one year after the date of purchase.

In addition, note that failures due to the following causes will not be warranted in any case.

- * Failures due to accidental force such as fires and earthquakes.
- * Failures due to improper use, inappropriate handling or modification.
- * Failures and damages not deemed to be our responsibilities.

Product Name: TA410AX/BX

Serial Number:

Date of Purchase:

Authorized Dealer:

- * This warranty is void without the serial number, date of purchase, and authorized dealer.
Make sure to return this warranty together with the actual product.

ICHINEN TASCO CO., LTD.

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Phone: 81-6-6584-0809 Fax: 81-6-6584-1056

This warranty is exclusively for TA410AB.

The accessories are not to be covered by this warranty.

Authorized Dealer