

BEST TEMPERATURE MEASUREMENT GUIDELINES

IPSS (IntelliPass Screening System)

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Version 1.1



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Revision History

Rev.	Date	Prepared By	Description of Document
0.1	08/31/2020	Asim Khan	Temperature Measurement Document

Important Confidentiality Notice

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Precautions

Important: Please make sure the unit is up and running at least 10 minutes before any testing/Scanning is done. The needs this time to stabilize in the current ambient environment and is coming in normal operation.

The measured person should keep the forehead dry and free of hair, dust, hats and other sundries.

The temperature measurement equipment cannot be placed in the air outlet, and hot and cold air will affect the accuracy of the temperature measurement of the equipment.

This product should not be placed close to or placed on high temperature objects

Important Note: The measurement data using the human body infrared thermal imaging body temperature test equipment is only used for preliminary screening and cannot be used as medical diagnosis data. Once a person with a high body temperature is found, further screening and confirmation are required.

Abnormal Working Conditions

1. This product is not suitable for use in direct sunlight.
2. This product is not suitable for outdoor or semi-outdoor use.
3. The best environment for this product to be used is indoors when there is no wind at 25 °C/77 °F, and the temperature measurement distance is 50 cm/ 1.5 ft.
4. The temperature measurement error will increase if the ambient temperature is lower than 15 °C/59 °F or over 30 °C/86 °F.

Abnormalities in temperature measurement can be occurred under following conditions:

The subject should have no strong light source directly on the forehead and face, and no interference from other high/low heat sources.

When measured person comes from outdoors or from a place with a big difference in temperature from the measuring environment.

Note: The measured object should stay in the measuring environment for at least **5~10 minutes**, and measure the temperature after it is consistent with the ambient temperature, otherwise it will affect the measurement result accuracy.



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Calibration

Please **calibrate at least once per month** according to the following steps before using IPSS for temperature screening:

1. Measure your forehead temperature with a traditional calibrated high-precision forehead temperature gun under the product environment.
2. Use IPSS to measure your own temperature in the product environment.
3. Repeat steps 1 and 2 more than three times to calculate the difference between the average values. If the error range between the average value measured by the forehead gun and the average value measured by this product is within 0.3 °C/0.54 °F, the product can be used normally. If you get a big difference, such as 0.3 °C/0.54 °F, you need to press and hold the middle mouse button to pop up a dialog box, enter (your device password), enter the application settings, and set the compensation in the "body temperature detection settings".

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