

# HT-820D General Infrared Body Thermometer (GIBT)

## Considerations and Precautions

1. GIBT are used to quickly screen for high temperature and fever using non-contact infrared sensors
2. They cannot be used for medical diagnosis and high readings should be referred to a doctor
3. External measurement taken on the skin: ideally temporal artery area of forehead or behind the ear
4. General Body Infrared Thermometers use special formula to display oral equivalent temperature
5. HT-820D is factory calibrated with a limited Body range 32.0~43.0°C and accuracy  $\pm 0.3^{\circ}\text{C}$
6. Mechanical design life approx. 40,000 measurements, handhelds not suitable for high volume testing

### Important - Environmental Operating Conditions

7. Extreme environment temperatures affect the accuracy of most GIBT, readings are compensated for normal ambient temperature within the specified operating limits stated in the user manual
8. The HT-820D Body mode will work in a range of 10~40°C but it is important to note that if the environment temperature drops below 10°C or exceeds 40°C then stable, accurate, repeatable and reliable readings cannot be guaranteed. The unit will not function below 0°C
9. GIBT should only be used indoors and in areas away from any breeze, wind or radiant heat source e.g. sunshine, air conditioners, fans or heaters etc.
10. Ambient air temperature and different activity levels may increase or decrease the skin temperature of a normal healthy person with a stable core body temperature

### Skin Preparation and Measurement

11. Skin must be clear and wiped clean of any sweat, dirt, cosmetics, creams or lotions etc. that will all either give a "Lo" display or incorrect reading
12. There must be no obstructions: hair, hats, bandanas, scarves or any other coverings must be moved clear of the measuring area to avoid "Lo" display or incorrect reading
13. If a person is coming from a colder or warmer environment than the GIBT testing place then wait at least 5 minutes for the skin to acclimatise before taking temperature reading
14. When the testing environment temperature changes rapidly wait 20 minutes for the GIBT to stabilise
15. Avoid testing immediately when a person has excessive clothing or was exposed to air conditioners, cold rooms, wind, sunshine or any other source of radiant heat. Wait 5 minutes for skin to stabilise
16. Measuring distance is vitally important, HT-820D has a range of 5~8cm. Too far away from skin will either display "Lo" or give incorrect reading

**Guarantee:** 3 month guarantee against failure due to defective parts or poor workmanship subject to inspection

**ALWAYS READ THE USER MANUAL AND USE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS**

**If there is any doubt or high temperature is detected using a GIBT after at least two consecutive measurements 5~10 minutes apart then the person should be referred to a medical doctor for further diagnosis and fever confirmation with a contact clinical thermometer**

Make sure to follow Department of Labour and OHSWA workplace guidelines

COVID-19 Corona Virus South African Resource Portal: <https://sacoronavirus.co.za/>

Reference:

<https://www.fda.gov/medical-devices/general-hospital-devices-and-supplies/non-contact-infrared-thermometers>

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