

HOW TO USE NON CONTACT INFRARED THERMOMETERS (NCITs)

Proper Use of NCITs

The person using the device should **strictly follow the manufacturer's guidelines and instructions for use** for the specific NCIT being used. The manufacturer's instructions for use typically include the following information and recommendations for proper use:

Preparing the Environment and NCIT:

The use environment may impact the performance of the NCIT. Instructions will typically include recommendations for optimal use, such as the following:

- Use in a draft-free space and out of direct sun or near radiant heat sources.
- Determine if conditions are optimal for use. Typically, the environmental temperature should be between 60.8-104 °F and relative humidity below 85 percent.
- Place the NCIT in the testing environment or room for 10-30 minutes prior to use to allow the NCIT to adjust to the environment.

Preparing the Person Being Evaluated:

In preparation for taking a temperature measurement with an NCIT, the person using the NCIT should typically ensure that

- The test area of the forehead is clean, dry and not blocked during measurement.
- The person's body temperature or temperature at the forehead test area has not been increased or decreased by wearing excessive clothing or head covers (for example headbands, bandanas).

Using the NCIT:

As previously noted, the person using the device should **strictly follow the manufacturer's guidelines and instructions for use** for the specific NCIT being used. In particular, the following are typical instructions for NCIT usage.

- Hold the NCIT sensing area **perpendicular** to the forehead and instruct the person to remain stationary during measurement(s). (See Figure 1)
- The distance between the NCIT and forehead is specific to each NCIT. Consult the manufacturer's instructions for correct measurement distances.
- Do not touch the sensing area of the NCIT and keep the sensor clean and dry.



Figure 1: **CORRECT USE**

Forehead unobstructed, NCIT perpendicular to forehead & used at distance identified in manufacturer's instructions.



Figure 2: **INCORRECT USE**

Not perpendicular to forehead



Figure 3: **INCORRECT USE**

Forehead exposed to direct sunlight outdoors