COVID-19 Infrared No Touch Thermometer Use Protocol

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Teck

Infrared No Touch Thermometer Use Protocol

Purpose

This protocol is intended to provide guidance on the use of Infrared No Touch Thermometers

1. Scope

This protocol applies to all Teck operated sites

The 3 Appendices provide specific instructions for use of

- KF-HW-001 Thermometer
- HT-668 Thermometer
- Braun No touch + forehead Thermometer

2. General Requirements

Personnel must not attend Teck worksites if they are symptomatic or have suspicions that they may at risk of being infected.

Personnel involved in the execution of this protocol shall implement all required COVID-19 controls to protect themselves including social distancing and personal protective equipment.

All thermometers in this protocol require the thermometer to be positioned close to the body but no contact is required. The positioning of the thermometer is shown below:

If the thermometer touches a person, or there is a risk that a person has sneezed or coughed near any equipment that equipment should be sterilised before continued use.

Before storing thermometers ensure they are wiped over with a 70% alcohol swab.

Appendix A - KF-HW-001 Thermometer

1. Technical Parameters

The thermometer shall be used in an operational environment of between 16 and 35 degrees Celsius, with humidity less than 85%. Use of the equipment outside these parameters can result in faulty measurement.

2. Overview

Figure 1 – Thermometer screen (note green screen indicates no high temperature)

Figure 2 – Side view with buttons

3. Set Thermometer Parameters.

After switching the thermometer on, pressing the "Set" button for 2 seconds will take the unit into settings mode.

Subsequent pressing of the set button will sequence the following parameters. F1→F2→F3→F4→Exit

F1 – Temperature units. Toggle units by pressing the mode and memo buttons while in F1 mode

F2 – Adjust warning temperature. Pressing of Memo and Mode buttons will adjust the temperature that the unit will provide visual warning (screen turning red) in this mode.

F3 – Speaker operation. Pressing of Memo and Mode buttons will toggle the speaker on and off. Note the speaker is in mandarin language – recommend turning this off.

F4 – Temperature offset. Pressing of Memo and Mode buttons will adjust the temperature offset of the unit.

4. Memory

The unit can store up to 50 readings.

To enter memory mode press the MEM button when the unit is on.

To clear memory press the MEM button down for 3 seconds, and memory will clear.

5. Operation of KF-HW-001 Thermometer

Perform hand hygiene	Wash hands with soap and water or use hand sanitizer.
Don appropriate personal protective equipment	
Turn On	Long Press "Memo" Button (centre button).
	Green screen will appear with temperature units in top right of screen
	Temperature warning is pre-set to 38.1 °C. **This should be adjusted to 38.0 degrees to allow for distancing errors**. (see section 3).
Point thermometer towards forehead	Thermometer should be 0-5 cm from the forehead. **No contact shall be made with the thermometer.**
Record Temperature	Pull trigger while pointing the thermometer to the forehead. Temperature will be shown in large numbers in centre of the screen. Typically the screen will be green if the temperature is normal or red if the temperature is high.
Take second recording to confirm temperature	Record second temperature. If there is no difference between reading 1 and reading 2 then this is the confirmed body temperature.
Record Temperature	Record the temperature reading on the Screening Form
If body temperature is high	**Temperature should read 38.0 °C and above**
	Follow **Section 3 and Section 4 of the Teck Covid-19 Response Protocols** relating to 1) symptomatic employee/contractor on site and 2) transportation
Clean Thermometer	Clean the head of thermometer after each use using a 70% alcohol swab.
If PPE becomes contaminated or damaged by a symptomatic employee	If any person comes into physical contact with a person who has high fever or is symptomatic, or has been coughed on PPE shall be removed and new PPE shall be worn.

Appendix B – HT- 668 Thermometer

1. Technical Parameters

The thermometer shall be used in an operational environment of between 15 and 35 degrees Celsius, with humidity less than 85%. Use of the equipment outside these parameters can result in faulty measurement.

2. Overview

3. Set Thermometer Parameters.

After switching the thermometer on, pressing the "Set" button for 2 seconds will take the unit into settings mode.

Subsequent pressing of the set button will sequence the following parameters. F1→F2→F3→F4→Exit

F1 – Temperature units. Toggle units by pressing the upper or lower buttons while in F1 mode
F2 – Alarm temperature. Pressing of upper and lower buttons will adjust the temperature that the unit will provide visual warning in this mode.
F3 – Buzzer warning operation. Pressing of upper and lower buttons will toggle the buzzer on and off.
F4 – Language Setting. Pressing of upper and lower buttons will change the language settings

4. Operation of HT-668 Thermometer

Perform hand hygiene	Wash hands with soap and water or use hand sanitizer.
Don appropriate personal protective equipment	
Turn On	Long Press "Set" Button.
	Temperature warning is pre-set to 38.1 ° C. **This should be adjusted to 38.0 degrees to allow for distancing errors.** (see section 3).
Point thermometer towards forehead	Thermometer should be 0-5 cm from the forehead. **No contact shall be made with the thermometer.**
Record Temperature	Pull trigger while pointing the thermometer to the forehead. Temperature will be shown in large numbers in centre of the screen.

Take second recording to confirm temperature	Record second temperature. If there is no difference between reading 1 and reading 2 then this is the confirmed body temperature.
Record Temperature	Record the temperature reading on the Screening Form
If body temperature is high	Temperature should read 38.0 ° C and above
	Follow relating to 1) symptomatic employee/contractor on site and 2) transportation
Clean Thermometer	Clean the head of thermometer after each use using a 70% alcohol swab. **Section 3 and Section 4 of the Teck Covid-19 Response Protocols**
If PPE becomes contaminated or damaged by a symptomatic employee	If any person comes into physical contact with a person who has high fever or is symptomatic or has been coughed on PPE shall be removed and new PPE shall be worn.

Appendix C – Braun No touch + forehead Thermometer

1.   Technical Parameters

The thermometer shall be used in an operational environment of between 15 and 40 degrees Celsius, with humidity between 15 and 95%. Use of the equipment outside these parameters can result in faulty measurement.

2.   Overview

Temperature reading

Temperature button

Silent mode switch

Age precision button

Power button (press and release once)

3.   Set Thermometer Parameters.

After switching the thermometer on, select the age range using the age precision button to toggle age to 36+ months.

4.   Operation of Braun No touch + forehead Thermometer

Perform hand hygiene	Wash hands with soap and water or use hand sanitizer.
Don appropriate personal protective equipment	
Turn On	Power on the thermometer by pressing and releasing the power button once.
	Select age range using the Age precision button to toggle age to 36+ months.
	The device is ready when a horizontal line of dashes appears on the screen ("- - -").
	Temperature warning is pre-set (for 36+months – adult) **for readings between 37.7 and 39.4 ° C to display a yellow screen and readings above 39.4 ° C to display a red screen.**

Point thermometer towards forehead	Thermometer should be 0-2.5 cm from the forehead, just between the eyebrows. **No contact shall be made with the thermometer.**
Take Temperature	Press and release the temperature button.
	If the thermometer is positioned too far away from the forehead, the device will prompt the user to move closer by displaying a diagram and the letters ("0-2 cm"). Slowly move the thermometer toward the forehead until the dashed line animation starts and a reading is displayed.
	When the thermometer is placed correctly, the screen displays a dashed line while taking the reading.
Take second recording to confirm temperature	Record second temperature. If there is no difference between reading 1 and reading 2 then this is the confirmed body temperature.
Record Temperature	Record the temperature reading on the Screening Form
If body temperature is high	Temperature should read 38.0 ^{o} C and above
	Follow **Section 3 and Section 4 of the Teck Covid-19 Response Protocols** relating to 1) symptomatic employee/contractor on site and 2) transportation
Clean Thermometer	Clean the head of thermometer after each use using a 70% alcohol swab.
If PPE becomes contaminated or damaged by a symptomatic employee	If any person comes into physical contact with a person who has high fever or is symptomatic, or has been coughed on PPE shall be removed and new PPE shall be worn.