twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Kit Termómetro infrarrojo y Pedestal, DeltaTrak

TK-15050K

User Guide

DeltaTrak®

Model 15050

ThermoTrace. Auto-Check Non-Contact Infrared Forehead Thermometer K3

Please read this manual before operating unit.
Important safety information inside.

Please read the following info first:

Before using the device, SCAN the QR Codes below to access the following:

1. **DeltaTrak User Manual:**
   https://www.deltatrak.com/15050

2. **Support and Technical Services**:
   https://www.deltatrak.com/support/tech-support

3. **Warranty:**
   https://www.deltatrak.com/support/warranty

4. **How Did We Do? (Customer Satisfaction Survey):**
   https://www.deltatrak.com/survey

5. **Introduction Video:**
   https://www.deltatrak.com/15050-v1

6. **Example of Use Video:**
   https://www.deltatrak.com/15050-v2

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9. Wall Mount Connectors
10. Nameplate
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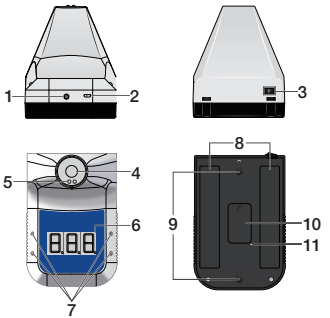


Specifications

Accuracy	±0.2 degrees (93°F – 113°F/34-45°C)
Alarm	Flashing and Audible Alert
Measuring Distance	2in – 4in (5cm – 10cm)
LCD Screen	Digital Display
Power	USB Charging Cable/1x Battery (18650 Lithium-Ion)
Wall Mount	Nail/Hook; Adhesive Backing
Operating Environment	50°F – 104°F (10°C – 40°C)
Measuring Range	32°F – 122°F (0°C – 50°C)
Response Time	0.5 Second
Input	DC 5V
Weight	12oz (350g)
Dimensions	7in X 4.5in X 5.5in (170mm X 115mm X 140mm)
Standby Mode	Approximately 1 week
Memory	999 Measurements

Status Descriptions

- Standby Mode: When the device is in standby mode the red light beneath the temperature display will appear. (Figure 1)
- Low Power: When power is low, three dashes will appear across the temperature display. (Figure 2)
- Normal Temperature: When the temperature reading is within the normal range, green lights will flash and the device will beep one time. (Figure 3)
- Abnormal Temperature: When the temperature reading is outside of the normal range, red lights will flash and the device will beep twice. (Figure 4)

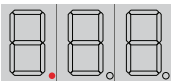


Fig. 1

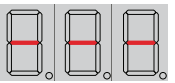


Fig. 2

Fig. 3

- Lo: “Lo” will appear on display when temperature reading is lower than normal range. (Figure 5)
- Hi: “Hi” will appear on display when temperature reading is higher than normal range. (Figure 6)

Fig. 4

Fig. 5

Fig. 6

Operating Instructions

1. Allow device to acclimate to room temperature for 30 minutes before using.
2. Stand directly in front of thermometer - no more than 2in to 4in (5cm to 10cm) away. The middle of the forehead should be level with the probe. The device will beep and display the temperature reading on the LCD. (Figure 7)

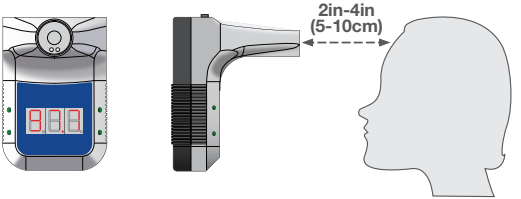


Fig. 7

3. To select the **Temperature Scale** (Celsius or Fahrenheit), insert a 3mm screwdriver (or other tool) into the **Mode Switch Button Hole** on the back of the device. (Figure 8)
4. Press the screwdriver (tool) into the hole to select the desired **Temperature Scale**. (Figures 9 & 10)
5. To select the **Measurement Mode** (Surface or Body) or **Memory**, insert 0.1in (3mm) screwdriver (or other tool) into **Mode Switch Button Hole**, press and hold for 3 seconds.

Fig. 8

Fig. 9

Fig. 10

6. Continue pressing the screwdriver (tool) into the hole to select the desired **Measurement Mode** (Sur for Surface; bod for Body) or **Memory** (Cou). (Figures 11, 12 & 13)

Fig. 11

Fig. 12

Fig. 13

Installing/Replacing Battery

The device includes a 18650 rechargeable Lithium-ion battery with overcharge protection. Before installing, please charge the battery for 4 hours to ensure full power. Due to freight regulations, Lithium-ion rechargeable batteries may not be fully charged prior to shipping. When the original battery is depleted, please ensure the replacement also includes overcharge protection.

1. Remove the screws holding the battery compartment cover in place.
2. Remove the battery compartment cover. (Figure 14)
3. Insert one 18650 Lithium-Ion battery, observing correct polarity. (Figure 15)
4. Place cover over battery compartment and re-insert screws.

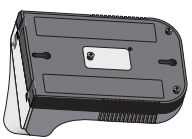


Fig. 14

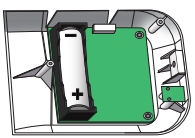


Fig. 15

Mounting Instructions

Methods for mounting the device:

- **Nail/Hook:** Place nail hook(s) (located on back of device) onto nailed wall. (Figure 16)
- **Tripod:** Screw the mounting hole (located on bottom of device) onto the tripod until secure. (Figure 17)
- **Adhesive Backing:** Remove the paper covering the double-sided tape strips and adhere to the backside of device. Remove paper on other side of tape and adhere device to wall or other surface. (Figure 18)

Fig. 16

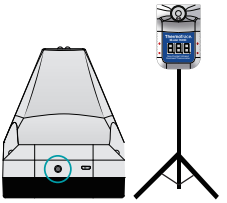


Fig. 17

Fig. 18

Helpful Tips for Reliable Results

1. Ensure the electromagnetic environment is compatible for device operation.
2. When changing operating environment, allow the device to acclimate to room temperature for 30 minutes.
3. Not recommended for use outdoors or under bright light.
4. Keep the device away from air conditioning units and fans.
5. Use only qualified, safety-certified batteries. Using unqualified or non-rechargeable batteries may cause fire or explosion.
6. If the device does not operate after installing batteries, connect to USB cable to charge battery.

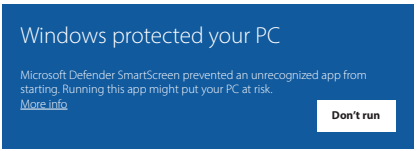
The software can only be used with the Windows operating system.

1. Download/Installation Process

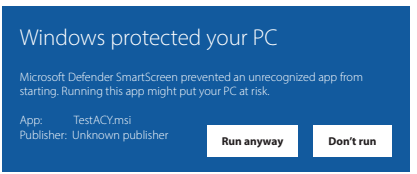
- Copy and paste the link below into your browser.

https://www.deltatrak.com/software/ThermoTrace/ThermoTrace-Auto-Check-IR-Thermometer-Software.zip

- Open zip file.
- Double click “ThermoTrace-Auto-Check-IR-Thermometer-Software”.
- Double click “TestACY.msi”.
- Click “More info”.



- Click “Run anyway”.



- Screen will display: “Do you want to allow this app to make changes to your device?” Enter Administrator Username and Password.
- Once download is complete, locate software in designated folder and double click to open.
- The main page of the software automatically opens. There are no measurements so the display shows “--.-”.

- Connect thermometer to computer using USB cable and turn on. Click “Connect”.
- If the connection is successful, “Success” will appear in green. (“Fail” will change to “Success”)
- When this step is completed the connection is active and the temperature data can be captured in real time.

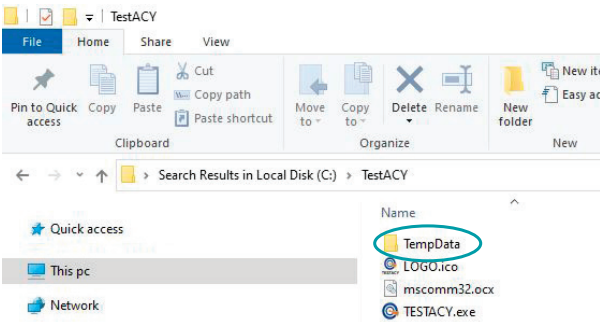
Note:

1) Once the software is opened it will automatically find the appropriate COM port. If the COM port displayed by the software is different from the computer resource manager, it will not work properly. Manually set the serial port to the corresponding serial port of the resource manager.

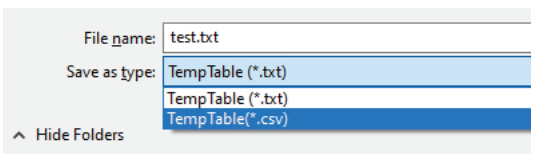
2) After the thermometer is turned off and then on again, click “Disconnect” and “Connect”, or close software and open again. This step is necessary to refresh the connected serial port so the data will display properly.

2. Data Viewing and Export

- **TXT Data View:** The subfolder, “TempData\\year\\month\\”, is automatically generated within the TestACY folder. The format is Year/Month/Day. The file type is TXT. If you cannot find the folder, use your computer’s search function to locate it. The following data will be saved for each measurement: Quantity (measurement number); Test Time; Test Value (Temperature Reading); Environmental Temperature (Ambient temperature at time of measurement).

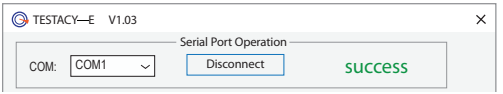


- **Excel Data View:** Click “Save As” and select “CSV” format to export file to Excel.



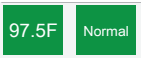
3. Software Introduction

- The software name is TESTACY. This image shows a successful connection between the software and thermometer to capture the measurement data. If the connection is good the screen will show “Success”, otherwise it will show “Fail”.



- When no data has been transmitted, such as when the software is first opened, the display will show “--.-“.

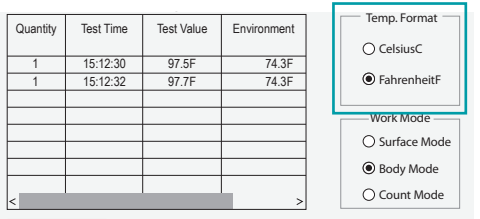
- In Body Mode when the captured temperature is within the normal range the screen will display the reading and “Normal”. When the temperature is outside the normal range, the display will show the reading and “Abnormal”.



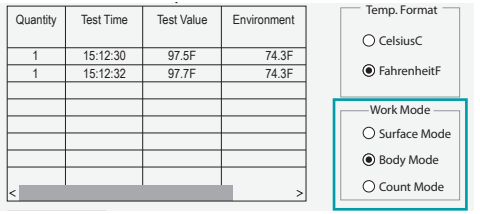
- Example of data captured: 1) Quantity (measurement number); 2) Test Time; 3) Test Value (Temperature Reading); 4) Environmental Temperature (Ambient Temp)

Quantity	Test Time	Test Value	Environment
1	15:12:30	97.5F	74.3F
1	15:12:32	97.7F	74.3F

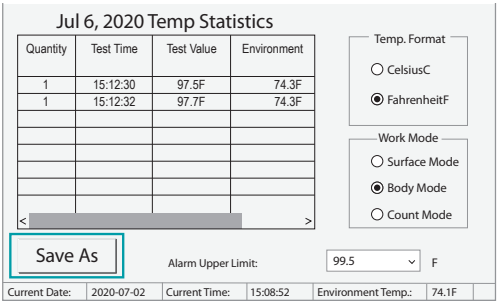
- Either Celsius or Fahrenheit may be selected.



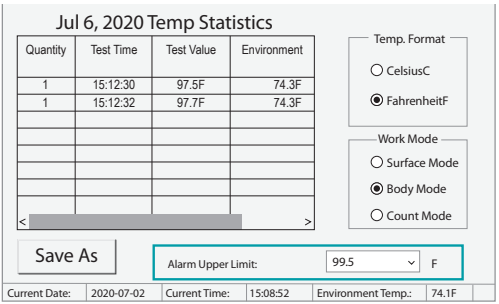
- Select **Body Mode** for temperature measurement.



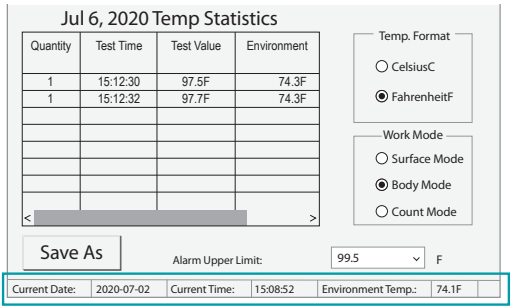
- To save the data, click “Save as”. Name the file and select the file type (txt or csv).



- Set the upper limit of the alarm. When the temperature reading exceeds this value, the thermometer will give an audible alarm.



- Each time temperature is taken or mode or scale is changed, the system “VOICE” will audibly give the reading.
- At the bottom of the screen the current date, time and ambient temperature are given in real time.



4. Troubleshooting

Q: Why won't the software open?
A: The serial port control is not registered, or the registration failed. Find the command prompt in the Windows menu and open it as an administrator. Locate the mscomm32.ocx file in the folder and enter the command: regsvr32 (mscomm32.ocx file path name).

Q: Why can't I open the serial port?
A: 1) The wrong COM port has been selected. Solution: Connect the USB cable before opening the software, so that it will automatically recognize the port number.
2) The USB driver is not updated. Solution: Connect to the network and right-click on "MyComputer" to open the resource manager, and update the driver.

Q: Why didn't the data refresh after the serial port was opened?
A: The thermometer is not turned on or the device was connected after the software was opened. Solution: Reconnect the device, then open the software.

Contact Tech Support at:

Phone: 925-249-2250 Ext 5120 Toll Free: 800-390-0804
US & Canada Email: techsupport@deltatrak.com

Warranty

The ThermoTrace Auto-Check Non-Contact Infrared Forehead Thermometer was designed for long term professional use and has a limited warranty period of 1 year from the date of purchase against defects in material and workmanship.

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