



Mastercool[®]

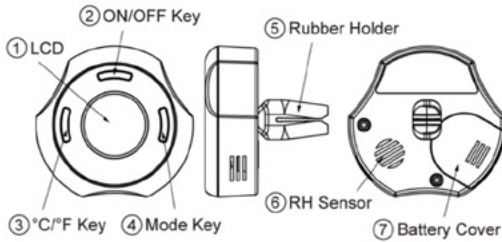
"World Class Quality"

52234-BT DIGITAL THERMOMETER/HYGROMETER OPERATING INSTRUCTIONS

NOTE: Please keep away from children and do not use it for safety related applications.

SPECIFICATIONS:

- Relative Humidity (Tamb=73±9°F (23±5°C)): 1~99%, accuracy: ±3% from 20~80%, otherwise ±5%
- Dry bulb temperature (DBT): -4~150°F (-20~65°C), accuracy: ±4.5°F (±2.5°C)
- Wet bulb temperature (WBT): -4~150°F (-20~65°C), accuracy: ±4.5°F (±2.5°C)
- Battery Life: 40 hours continuous use. The battery life on the shelf is 8 months
- Battery: one CR2032 lithium cell battery
- Dimensions: 2.2 x 2.1 x 1.7" (54.9 x 52.6 x 43 mm)
- Weight: 1.2 oz (35 g)



DIGITAL THERMOMETER/HYGROMETER INSTRUCTIONS:

1. Power ON: Press ON/OFF key (2) to power on the device. After power on, the device will start to measure ambient temperature and relative humidity (RH Mode). (Figure 1)
NOTE: The digital thermometer/hygrometer will automatically turn off after 4 ½ minutes.
2. RH / DBT / WBT: Press Mode key (4) to switch RH / DB / WB. (Figure 2)
3. °C / °F: Press °C/°F key (3) to switch °C/°F. (Figure 3)
4. Sync data to a mobile device via Bluetooth® wireless technology.



Figure 1



Figure 2



Figure 3

MASTERCOOL APP

1. Press the ON/OFF key to power on the device. Download the Mastercool Connect app to a mobile device from the App Store or Google Play.
2. Press °C/°F key (3) on the digital thermometer/hygrometer for 3 sec. to turn on Bluetooth® wireless technology. (Figure 4)
3. Launch the Mastercool Connect app on the mobile device.
4. Touch "SEARCH" on the Mastercool Connect app. From the list of available devices, pick the digital thermometer/hygrometer.
5. Clamp the digital thermometer/hygrometer on the air conditioner outlet and the readout from the digital thermometer/hygrometer will be displayed on the Mastercool Connect app.

NOTE: For maximum battery life, turn unit off after using Bluetooth® wireless technology.



Figure 4

POWER OFF

1. Device will automatically power off if left idle for more than 4 min and 30 sec to extend battery life.
2. Manually power off the device by pressing ON/OFF Key (2) for 3 sec.

NOTE: When Bluetooth® wireless technology is connected, the digital thermometer/hygrometer will not automatically shut down.

BATTERY REPLACEMENT

If the battery symbol shows the battery is low, the battery should be replaced immediately with a CR2032 lithium cell. The battery is located under the battery cover (7) at the rear of digital thermometer/hygrometer, use thumb to remove the battery cover (7). Please remember to power off the unit before replacing the battery.

⚠ A malfunction may occur if the power is on when the battery is replaced. If a malfunction occurs, restart the device. Keep the battery away from children.

⚠ If the device is not to be used for a long time, turn the power off, remove and store the batteries in a cool, dry place.

IMPORTANT NOTES

Storage & Cleaning: The digital thermometer/hygrometer should be kept clean at all times and stored at room temperature.

1. Use a damp cloth, do not use the liquid cleaning agent, such as benzene, thinner or aerosols.
2. The digital thermometer/hygrometer should be stored at -20 to $+65^{\circ}\text{C}$ (-4 to 149°F).

EMC/RFI: Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

TROUBLESHOOTING



'Er2' is displayed when the digital thermometer/hygrometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds the range of -20°C (-4°F) \sim 65°C (149°F). The digital thermometer/hygrometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.



For all other error messages it is necessary to reset the digital thermometer/hygrometer. To reset the digital thermometer/hygrometer, power off the unit, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the service department for further assistance.

⚠ A malfunction may occur if the power is on when the battery is replaced. If a malfunction occurs, reset the device. Keep the battery away from children.

⚠ If the device is not to be used for a long time, turn the power off, remove and store the batteries in a cool, dry place.