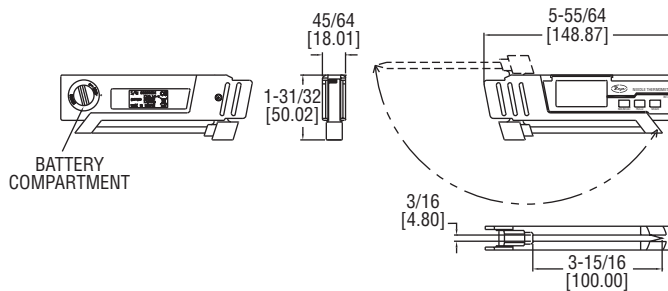# Model WT2-10 Needle Thermometer

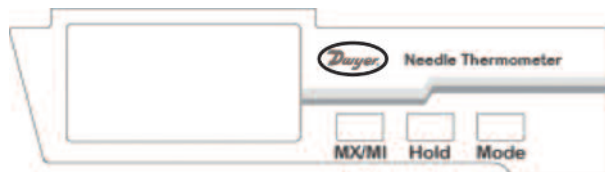## Specifications - Installation and Operating Instructions

The **Model WT2-10 Stainless Steel Needle Thermometer** provides accurate measurements for testing internal temperatures during food safety inspections. A retractable penetration probe automatically shuts off the meter when closed, as well as protects the user from the sharp tip while not in use. Additional features include minimum and maximum readings, audible and visual alarms, and a measurement hold function. Besides the probe temperature, the Model WT2-10 also measures the ambient air temperature.

FEATURES
• Contacted temperature measurement
• Air temperature measurement
• Hi/Lo alarm setting with audible sound
• Data hold/Maximum/Minimum functions
• Auto power off function
• Quick response and high accuracy
• Low battery indication

KEY FUNCTION
1. MX/MI: Alternates display between the probe, minimum, maximum and ambient air temperatures.
2. Hold: Freezes current reading on the display and acts as the up button.
3. Mode: Toggles the temperature unit and acts as the down button.

OPERATION
1. Power On/Off
With meter off, extend the probe away from the body to turn on the meter with a beep sound. To turn the meter off, fold the probe completely against the meter body. The meter will also turn off automatically after 10 minutes if no action is taken.
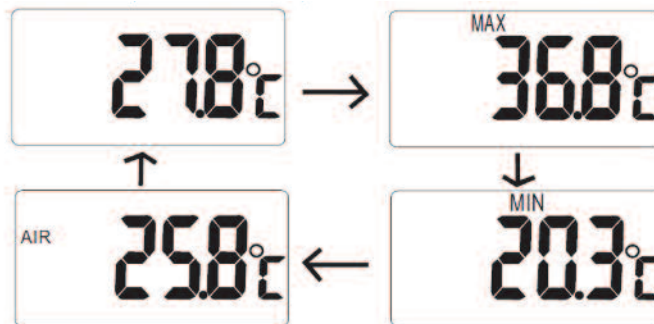

SPECIFICATIONS
Range: -40 to 302°F (-40 to 150°C).
Accuracy: ±1°F @ -4 to 248°F (1°C @ -19.99 to 119.9°C); ±2°F/C (others).
Temperature Limits: Ambient: -4 to 122°F (-20 to 50°C).
Display: 4 digit LCD.
Resolution: 0.1° F/C.
Power Requirements: One 3V CR-2032 lithium battery.
Sensor: Thermistor.
Probe Diameter: 0.19″ (4.8 mm).
Enclosure Rating: IP54.
Weight: 3.2 oz (91 g).
Agency Approvals: CE.

2. Maximum and Minimum Mode
The meter will cycle between probe temperature, MAX, MIN and air temperature on the LCD. When first turning on the meter, the probe temperature will be displayed. With meter on, press the MX/MI button and the "MAX" icon will appear on the display with the maximum temperature reading. Press the MX/MI button again, the "MIN" icon will appear on the display with the minimum temperature reading. After pressing the "MX/MI" button a third time, "AIR" icon will appear on the display along with the ambient air temperature reading.

3. Data Hold
1. Press the HOLD button to freeze the displayed reading. The 'HOLD' icon and the held reading will appear on the display.
2. Press the HOLD button again, and the meter will return to normal operation.

4. Temperature Unit Selection (°C/°F)

With the meter on, press and hold the MODE button for more than 2 seconds to select the desired units; the display will indicate the changes (°C/°F).

5. Auto Power OFF

The meter will shut off automatically after approximately 10 minutes if no action is taken. To disable auto power off, when meter is off press HOLD button and extend the probe away from the body of the meter, "n" icon will appear on the LCD, and release HOLD button. The meter will return to normal measurement and "TEMP" icon will appear with the temperature reading.

6. Setting Mode
Hi Lo Alarm
Step1. Hi alarm

With meter on, press **MX/MI** and **HOLD** buttons at the same time to enter Hi alarm setting. A blinking "A-on" icon will appear on the LCD.
Press **MODE** button to select High alarm "A-on" or "A-oF".
(a) If "A-on" is selected, press **MX/MI** button to save and move to step 2 for High temp. alarm setting.
(b) If "A-oF" is selected, long press **MX/MI** button to save.

Step2.alarm setting

After Hi alarm is set, H150°C will appear on the LCD and digit "1" will start blinking, press Hold (Up)/ Mode (Down) button to select the desired digit ("1", "0", "-").
Note: The temperature range is -40~150°C (-40~302°F), so the meter will not function if Hi/Lo alarm setting exceed the temperature range.

Step3. Save setting

Long press **MX/MI** button to save the High temp. alarm setting and "H" icon will appear on the left of the current temp. reading.

Step1. Lo alarm

With meter on, press **MX/MI** and **MODE** buttons at the same time to enter Low alarm setting. A blinking "A-on" icon will appear on the LCD.
Press **MODE** button to select Hi alarm "A-on" or "A-oF".
(a) If "A-on" is selected, press **MX/MI** button to save and move to step 2 for Low temp. alarm setting.
(b) If "A-oF" is selected, press **MX/MI** button to save and then the meter will return to normal measurement.

Step2.alarm setting

After Lo alarm is set, L-40°C will appear on the LCD and digit "1" will start blinking, press Hold (Up)/ Mode (Down) button to select the desired digit ("1", "0", "-").
Note: The temperature range is -40~150°C (-40~302°F), so the meter will not function if Hi/Lo alarm setting exceed the temperature range

Step3. Save setting

Press **MX/MI** button to save the Low temp. alarm setting and "L" icon will appear on the left of the current temp. reading.

7. Stop Beeper Temporarily

If the temperature exceeds the Hi/Lo alarm setting, the meter will give an audible sound, shortly press MODE button to stop the beep sound, then the meter is ready to take the next measurement.

8. Battery Replacement

Use a coin to remove the battery compartment cover on the rear of the meter. Replace the CR-2032 lithium battery; install the new battery face up (+) in the battery compartment.

Disposal: Follow the valid legal stipulations in respect of the disposal of the device at the end of its life cycle.

MAINTENANCE/REPAIR

Upon final installation of the WT2-10, no routine maintenance is required. The Series WT2-10 is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

WARRANTY/RETURN

Refer to "Terms and Conditions of Sales" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.