Beetech ST-9283

Beetech ST-9283 Handheld Digital Thermometer User Manual

Model: ST-9283 | Brand: Beetech

1. Introduction

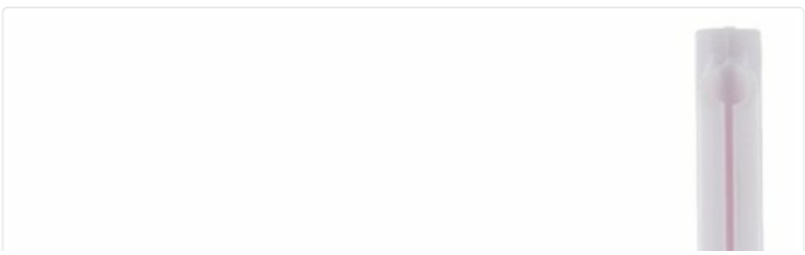
This manual provides detailed instructions for the safe and effective use of your Beetech ST-9283 Handheld Digital Thermometer. This device is designed for accurate temperature measurement in various applications, including industrial settings, bakeries, food processing, and refrigeration. Please read this manual thoroughly before operating the thermometer and retain it for future reference.

2. Product Overview

The Beetech ST-9283 is a compact and versatile digital thermometer featuring a stainless steel probe for precise temperature readings. It includes a clear digital display and user-friendly buttons for various functions.

Key Features:

- Wide Measurement Range
- Stainless Steel Probe
- Selectable Temperature Units (°C / °F)
- Data Hold Function
- Maximum and Minimum Temperature Memory
- Alarm Function
- Auto Power Off




OFF/ON
°C/°F
MAX/MIN
HOLD
-50°C TO +300°C
-58°F TO +572°F
ST-9283
BEETECH
Multi - Thermometer

Image 1: Front view of the Beetech ST-9283 Handheld Digital Thermometer, showing the digital display, control buttons (OFF/ON, °C/°F, MAX/MIN, HOLD), and the retractable stainless steel probe.

Included Components:

- Beetech ST-9283 Digital Thermometer
- Temperature Sensor Probe
- User Manual
- Battery (may not be pre-installed)

3. Getting Started

3.1 Unpacking and Inspection

Carefully remove the thermometer from its packaging. Inspect the device for any signs of damage. If any damage is found, do not use the thermometer and contact customer support.

Image 2: The Beetech ST-9283 Digital Thermometer shown in its retail packaging, highlighting its handheld design and digital display.

3.2 Battery Installation

The thermometer requires one 1.5V AAA (UM4/LR44 equivalent) battery. Batteries are typically not included.

1. Locate the battery compartment cover on the back of the unit.
2. If secured by screws, use a small screwdriver to loosen them.
3. Carefully remove the battery cover.
4. Insert the new 1.5V AAA battery, ensuring correct polarity (+ and -).
5. Replace the battery cover and tighten any screws if applicable.

4. Operation

4.1 Power On/Off

- **To Power On:** Press the **ON/OFF** button once. The thermometer will perform a self-test, displaying a full segment flash before showing the normal display.
- **To Power Off:** Press and hold the **ON/OFF** button for approximately 3 seconds, then release. Alternatively, press the **ON/OFF** button once if the unit is already on and not in a special mode.

4.2 Temperature Measurement

1. Ensure the thermometer is powered on.
2. Unwind the sensor cord completely.
3. Penetrate the stainless steel probe into the substance to be measured by approximately 25mm (1 inch).
4. Wait for the reading on the digital display to stabilize. This indicates the current temperature.

4.3 Unit Selection (°C / °F)

To switch between Celsius (°C) and Fahrenheit (°F) temperature units:

- Press the **°C/°F** button once. The display will toggle between the two units.

4.4 Data Hold Function

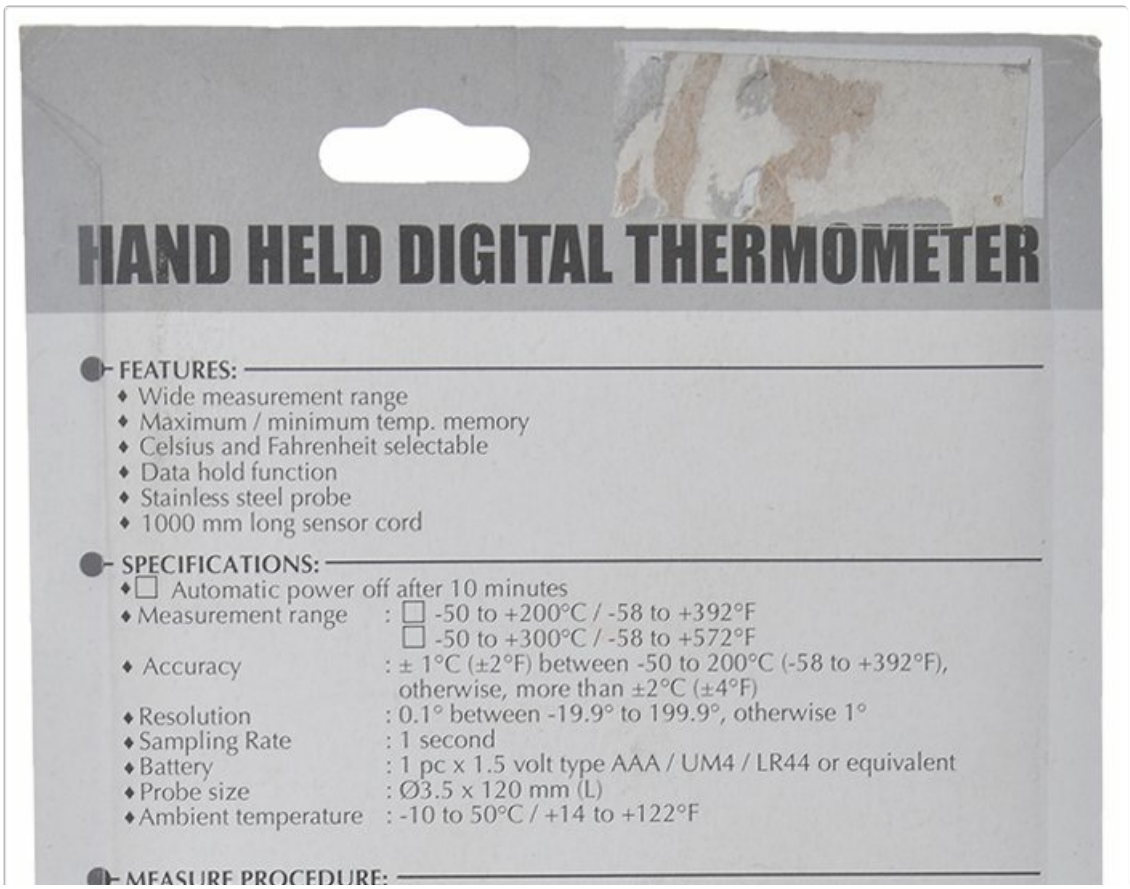
To hold the current temperature reading on the display:

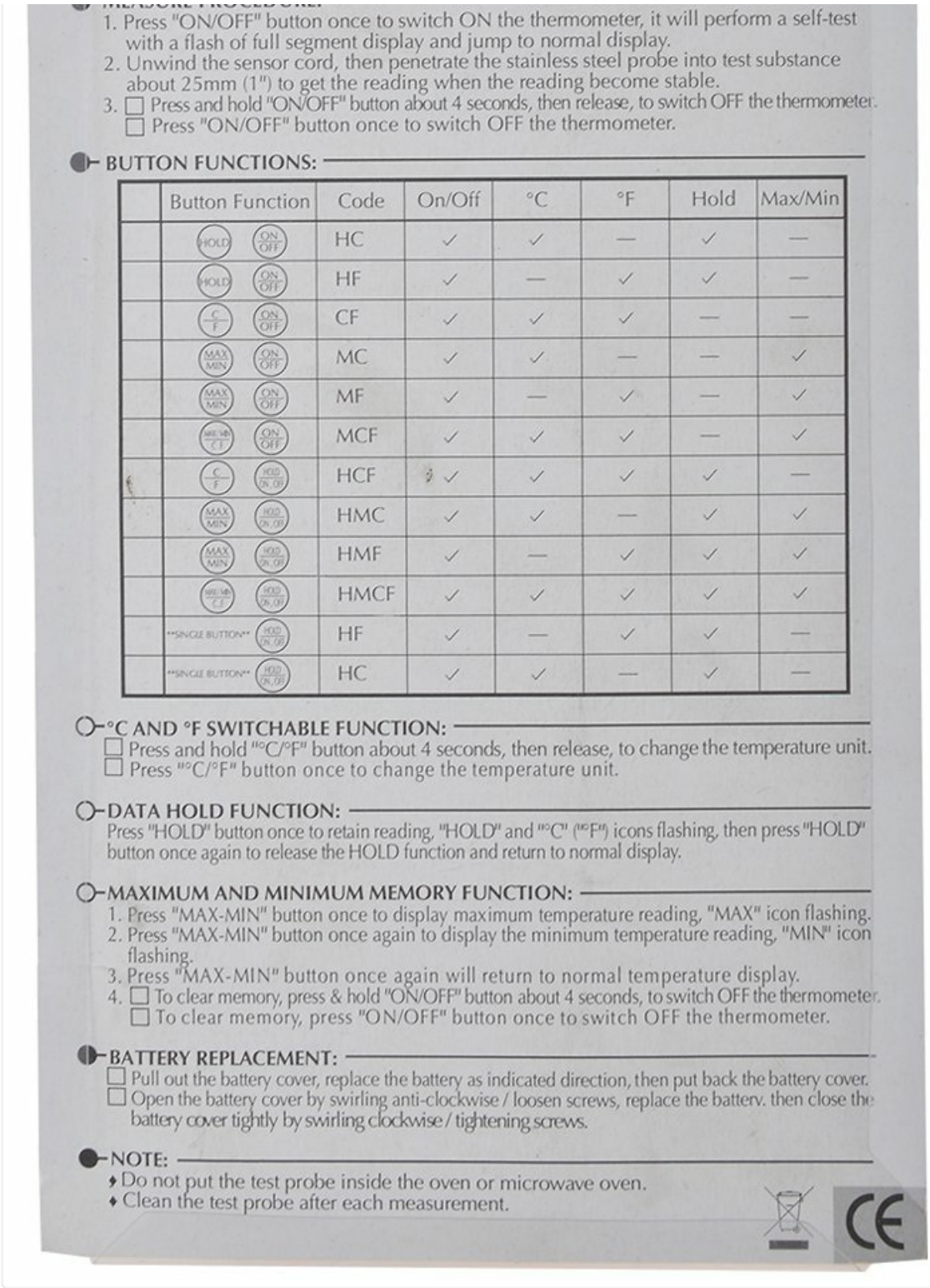
- Press the **HOLD** button once. The current reading will be frozen, and the "HOLD" icon along with "°C" or "°F" will flash on the display.
- To release the hold function and return to normal display, press the **HOLD** button once again.

4.5 Maximum and Minimum Temperature Memory

The thermometer can store the maximum and minimum temperatures recorded during a measurement session.

1. Press the **MAX/MIN** button once to display the maximum temperature reading. The "MAX" icon will flash.
2. Press the **MAX/MIN** button again to display the minimum temperature reading. The "MIN" icon will flash.
3. Press the **MAX/MIN** button a third time to return to the normal temperature display.
4. To clear the recorded maximum and minimum temperatures from memory, switch off the thermometer.





1. Press "ON/OFF" button once to switch ON the thermometer, it will perform a self-test with a flash of full segment display and jump to normal display.
2. Unwind the sensor cord, then penetrate the stainless steel probe into test substance about 25mm (1") to get the reading when the reading become stable.
3. ☐ Press and hold "ON/OFF" button about 4 seconds, then release, to switch OFF the thermometer.
   ☐ Press "ON/OFF" button once to switch OFF the thermometer.

BUTTON FUNCTIONS:

	Button Function	Code	On/Off	°C	°F	Hold	Max/Min
	HOLD ON/OFF	HC	✓	✓	—	✓	—
	HOLD ON/OFF	HF	✓	—	✓	✓	—
	°C/°F ON/OFF	CF	✓	✓	✓	—	—
	MAX/MIN ON/OFF	MC	✓	✓	—	—	✓
	MAX/MIN ON/OFF	MF	✓	—	✓	—	✓
	MAX/MIN °C/°F ON/OFF	MCF	✓	✓	✓	—	✓
	°C/°F HOLD ON/OFF	HCF	✓	✓	✓	✓	—
	MAX/MIN HOLD ON/OFF	HMC	✓	✓	—	✓	✓
	MAX/MIN HOLD ON/OFF	HMF	✓	—	✓	✓	✓
	MAX/MIN °C/°F HOLD ON/OFF	HMCF	✓	✓	✓	✓	✓
	"SINGLE BUTTON" HOLD ON/OFF	HF	✓	—	✓	✓	—
	"SINGLE BUTTON" HOLD ON/OFF	HC	✓	✓	—	✓	—

°C AND °F SWITCHABLE FUNCTION:
☐ Press and hold "°C/°F" button about 4 seconds, then release, to change the temperature unit.
☐ Press "°C/°F" button once to change the temperature unit.

DATA HOLD FUNCTION:
Press "HOLD" button once to retain reading, "HOLD" and "°C" ("°F") icons flashing, then press "HOLD" button once again to release the HOLD function and return to normal display.

MAXIMUM AND MINIMUM MEMORY FUNCTION:
1. Press "MAX-MIN" button once to display maximum temperature reading, "MAX" icon flashing.
2. Press "MAX-MIN" button once again to display the minimum temperature reading, "MIN" icon flashing.
3. Press "MAX-MIN" button once again will return to normal temperature display.
4. ☐ To clear memory, press & hold "ON/OFF" button about 4 seconds, to switch OFF the thermometer.
   ☐ To clear memory, press "ON/OFF" button once to switch OFF the thermometer.

BATTERY REPLACEMENT:
☐ Pull out the battery cover, replace the battery as indicated direction, then put back the battery cover.
☐ Open the battery cover by swirling anti-clockwise / loosen screws, replace the batterv. then close the battery cover tightly by swirling clockwise / tightening screws.

NOTE:
- Do not put the test probe inside the oven or microwave oven.
- Clean the test probe after each measurement.

Image 3: Back of the Beetech ST-9283 Digital Thermometer packaging, showing detailed operational instructions, features, and specifications.

5. Maintenance and Care

5.1 Cleaning

- Wipe the thermometer body with a clean, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- Clean the stainless steel probe thoroughly after each measurement, especially when used with food or in industrial applications, to prevent cross-contamination.

5.2 Battery Replacement

When the display becomes dim or the thermometer functions erratically, it is time to replace the battery. Follow the steps outlined in Section 3.2.

5.3 Storage

Store the thermometer in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, remove the battery to prevent leakage.

6. Safety Information

- Do not put the test probe inside an oven or microwave oven.
- Keep the device out of reach of children.
- Do not expose the thermometer to extreme temperatures, humidity, or direct sunlight for prolonged periods.
- Do not attempt to disassemble or modify the thermometer. This will void the warranty and may cause damage or injury.
- Dispose of used batteries according to local regulations.

7. Specifications

Parameter	Detail
Model	ST-9283
Measurement Range	-50°C to +300°C (-58°F to +572°F)
Accuracy	±1°C for -20°C to +200°C (±1.8°F for -4°F to +392°F); otherwise ±2°C (±4°F)
Resolution	0.1°C between -19.9°C to 199.9°C; otherwise 1°C
Sampling Rate	1 second
Battery Type	1 x 1.5V AAA (UM4 / LR44 equivalent)
Probe Size	Ø5 x 120 mm (L)
Sensor Cord Length	1000 mm
Ambient Temperature	-10°C to 50°C (14°F to 122°F)
Auto Power Off	After 10 minutes of inactivity
Outer Material	Plastic
Item Weight	120 g
Indoor/Outdoor Usage	Indoor

8. Troubleshooting

If you encounter issues with your thermometer, please refer to the following common solutions:

- **No Display / Dim Display:** Check if the battery is installed correctly. Replace the battery if it is low or

depleted.

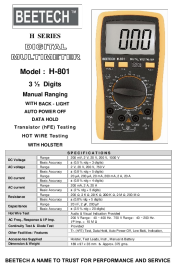
- **Inaccurate Readings:** Ensure the probe is fully inserted into the substance. Clean the probe thoroughly. Verify that the ambient temperature is within the specified operating range.
- **Buttons Unresponsive:** Try removing and reinserting the battery to reset the device.

If problems persist after attempting these steps, please contact customer support.

9. Warranty and Support

Beetech products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service, please refer to the contact details provided with your purchase documentation or visit the official Beetech website. Please retain your proof of purchase for warranty claims.

Related Documents - ST-9283

	BEETECH H-801 Digital Multimeter - Specifications and Features Detailed specifications and features for the BEETECH H-801 Digital Multimeter, including DC/AC voltage, current, resistance, capacitance, and more. Learn about its manual ranging, backlight, and testing capabilities.
	ABQIndustrial ST-329 LED Stroboscope: High-Performance Speed Measurement Discover the ABQIndustrial ST-329 LED Stroboscope, a permanent mount strobo-scope array offering bright, stable light and precise speed measurements for industrial applications. Features wide flash range, long-life LEDs, and versatile mounting.
	SecurityTronix ST-THERMSCAN-1 Wall Mounted Non-Contact Forehead Thermometer User Manual and Warranty User manual and warranty details for the SecurityTronix ST-THERMSCAN-1 Wall Mounted Non-Contact Forehead Thermometer. This guide covers specifications, operation, installation, and warranty terms for the non-contact temperature screening device.
	LCN Special Template Chart for Door Closers A comprehensive chart detailing LCN special templates for various door closer series, including 4040XP, 2210, 4000, 1460, 5030, 2030, 3130, 4116, 4000T, 1460T, 2310ME, 4310ME, 4050T, 1260, and 4020 series. The chart specifies application types, mounting details, and necessary components or modifications for each special template.

	[Infiniti QX56 Steering System & Heated Wheel Service Manual] Explore comprehensive service procedures, diagnostic guides, and technical specifications for the Infiniti QX56 steering system. This manual details the heated steering wheel functionality, including component descriptions, troubleshooting steps, and maintenance protocols.
	[KLINGER Type ST Ultrasonic Flowmeter Operation Manual] This operation manual provides comprehensive instructions for the KLINGER Type ST Ultrasonic Flowmeter. It covers installation, connection, panel functions, display menus, setup configurations (pipe parameters, system settings, calibration, output), performance specifications, and warranty details for models ST-025, ST-032, and ST-040.