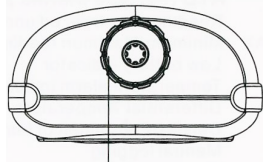


## BEGIN SET UP

Unit is powered by (4) AAA batteries. Install batteries into battery compartment on back of device. Make sure batteries are in correct polarity and good contact.



Probe Connection Port

Small notch in Connection Port will help easily install probe the correct way. Once probe is aligned with notch, push slightly and then screw probe guard to lock in place.



LCD

## SYMBOLS

<b>Upper LCD</b>	Temperature reading
<b>Lower LCD</b>	Real time display
<b>Pt</b>	RTD (Pt) type thermo probe
<b>HOLD</b>	Readings are frozen unchanged
<b>MIN/MAX</b>	Minimum/Maximum readings
	Low battery indicator
	Temperature alarm indicator
<b>ΔT</b>	Differential Temperature
<b>°C/°F</b>	Celsius/Fahrenheit of temp.
<b>REC</b>	Manual logging
<b>RECALL</b>	Recall mode
	Count down timer
<b>D-M-Y</b>	Day-Month-Year
<b>H:M:S</b>	Hour-Minute-Second
<b>AM</b>	AM
<b>PM</b>	PM

## BUTTONS

- Power Button—Powers on and off meter. Press and hold to enter setup mode while meter is on. Turn on with to become non-sleep mode.
- Recall/ESC (Escape) Button—Press to enter recall mode. Exits setup/recall /max/min mode.
- Differential Button—Press to show differential temperature. Press again to return to normal.
- HOLD Button—Freezes current readings. Selects unit or increases value in setup. Cancels data hold function.
- Memory Button—Press to record reading into memory. Selects unit or decreases value in setup.
- MIN/MAX Button— Activates MIN/MAX function. Saves and finishes settings.
- Timer Start/Stop Button— Activates or deactivates timer

## OPERATION

### POWER ON/OFF

Press to turn the meter on and off. Full display is shown for 3 seconds, then enters normal mode.

### AUTO POWER OFF

The meter turns off automatically after 10 minutes of inactivity. To override the function, while the meter is off, hold down and for 2 seconds to turn on the meter until 'n' appears.



Fig. 1

### DATE&TIME

The LCD can show time-of-day. While the meter is on, press for 2 seconds to enter setup mode. Press or to select P40 and press to enter.

Press or to adjust the number of the year then press to save. Repeat above to finish month and date setup.

Press to enter time format selection. 12 & 24 hour time formats are selectable. Press or

to choose format and press to save.

Continue to setup hour/min/sec by pressing or to adjust number and then press to save.

After set up is complete, press to return to normal display. The correct date & time will appear on LCD display.

## TAKING MEASUREMENT

The meter starts measurement when powered on.



Fig. 2

## DATA HOLD

In normal display mode, press to freeze readings, "HOLD" appears on top of LCD (Fig.3). All current readings are kept unchanged. Press again to cancel the hold function.

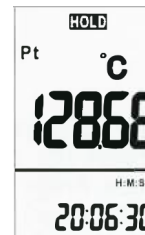


Fig. 3

## HACCP REMINDER

While powered on, red or green backlight flashes every 5 seconds to indicate temperature hazards. While the measured temperature is above 4°C (39.2°F) and below 60°C (140°F), red color backlight flashes.

While measured temperature is below 4°C (39.2°F) or above 60°C (140°F), green color backlight flashes.

## DIFFERENTIAL TEMPERATURE

In normal display mode, press to activate the temperature change display function. The moment is pressed, temperature value is taken as the base value. Afterward, the displayed readings are the temperature difference between baseline and existing temp. of measuring object. (Fig.4)

In case of fast temperature changes, press first to freeze a value as baseline and then press to activate the temperature change display function.

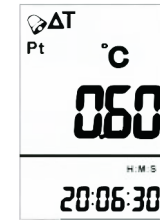


Fig.4

## MIN/MAX REVIEW

This thermometer allows you to check the minimum and maximum value recorded from the moment you press key.

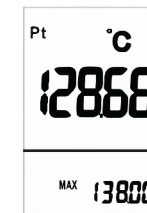


Fig.5

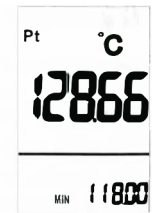


Fig.6

Under normal mode, each press of will switch from either showing MAX or MIN on the bottom of your LCD (Fig.5-6). Real-time temperature will continue to be shown above the MAX or MIN.

To return to normal mode, press to return showing the time-of-day.

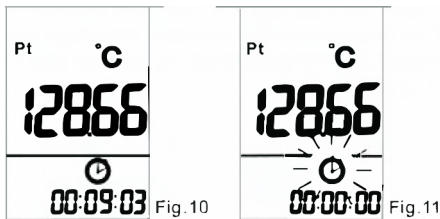
## COUNT DOWN TIMER

Thermometer is equipped with a timer function.

1. Press to enter setup mode.
2. Press or and select P10, then press .
3. Press or to adjust the timer, press to save.
4. Press to exit setup mode.

To start the count down timer, press to start. (Fig.10). To stop timer, press . There is no pause function in this meter, once you start time again, it will start over.

Once time is up, will flash on the bottom of the LCD (Fig. 11) and beep until any one of the keys are pressed to stop it.



## ALARM

⚡ appears on LCD and an audible beep will be sound when alarm is triggered, and measured temperature goes over set values. Audible alarm will stop only when temperature reading falls back between set values or any key is pressed. Flashing icon only stops when temperature return to normal range. Alarm will beep and flash once again if the temperature range exceeds the set values.

## SETTING TEMPERATURE ALARM

Press **SET** to enter setup mode. Press **MEMO** or **HOLD** to select P20, then press **MEMO** to enter. Press **MEMO** or **HOLD** to enable (YES) or disable (NO) the alarm function. Then, press **MEMO** or **HOLD** to adjust the alarm threshold value you

need. Press **MEMO** to save. Press **MEMO** to escape alarm setup mode.

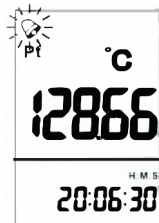


Fig. 12

## SETUP

Press and hold **SET** to enter setup mode. To exit setup, press **RECALL/ESC** in P10 - P40 and unit will return to normal mode.

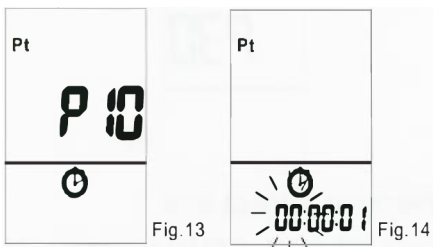


Fig. 13

Fig. 14

## SET COUNT DOWN TIMER

When entering setup mode, P10 and **⌚** ( Fig. 13) are displayed on LCD. Press **MEMO** to go enter. Press **MEMO** or **HOLD** to adjust the timer value you need from hour to second. (Fig. 14)

Then, press **MEMO** to save. Press **RECALL/ESC** to exit.

## TEMPERATURE ALARM

When entering setup mode, P20 and **⚡** (Fig. 15) are displayed on LCD.



Fig. 15

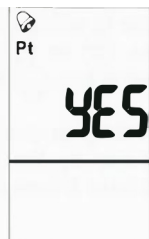


Fig. 16

Press **MEMO** to enter. Press **MEMO** or **HOLD** to enable (YES) or disable (NO) the alarm function. (Fig. 16). Then, press **MEMO** or **HOLD** to adjust the alarm threshold value you need. The adjustable scale is 1 degree. Press **MEMO** to save.

## SELECT TEMPERATURE UNIT (°C or °F)

When entering setup mode, P30 is displayed on the LCD.

Press **MEMO** to view current unit of measurement on LCD (Fig. 17).

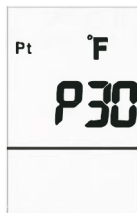


Fig. 17.

Press **MEMO** or **HOLD** to choose °C or °F and press **MEMO** to confirm.

## REAL TIME CLOCK

Press **MEMO** to set clock.

Press **MEMO** or **HOLD** to adjust year, then press **MEMO** to save. Repeat above to finish month and date setup.

Press **MEMO** to enter time format selection. 12 & 24 hour time formats are available. Press **MEMO** or **HOLD** to choose format and press **MEMO** to save.

Continue to setup hour/minute/second by press **MEMO** or **HOLD** to adjust the numbers and then press **MEMO** to save.

After setting up, press **RECALL/ESC** to return to normal display. You can now see the correct date & time display on LCD.

## TROUBLESHOOTING

### Cant power on

Press and hold **SET** for more than 0.3 seconds and try again. Check batteries to ensure good contact and correct polarity. Also remove the batteries for >10 mins and then install the batteries again.

### Fixed Readings

Ensure data HOLD button is not activated. If it is, press to deactivate.

### Slow Response

Ensure probe is well connected.

### Errors Messages

- E05: Probe is unplugged.
- E02: The value is under range.
- E03: The value is over range.
- E31: Temperature sensor is damaged.
- E32: Memory IC damaged.

# TRACEABLE® RTD PLATINUM THERMOMETER INSTRUCTIONS

**WARRANTY, SERVICE, OR RECALIBRATION**  
For warranty, service, or recalibration, contact:

## TRACEABLE® PRODUCTS

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www.traceable.com

Traceable® Products are ISO 9001:2015 Quality-Certified by DNV and ISO/IEC 17025:2017 accredited as a Calibration Laboratory by A2LA.