

# JBC

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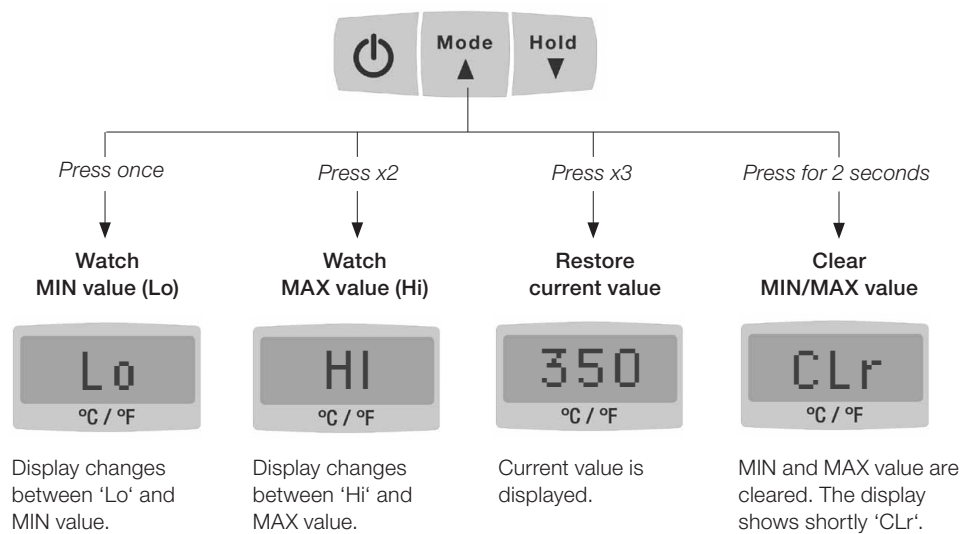
English



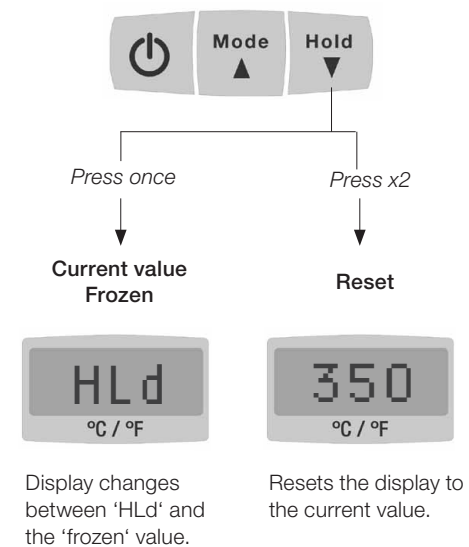
## Special Features

### TID-A Digital Thermometer

## Min/Max Value Memory



## Hold Function



**Please note:**

*Measuring keeps on running in the background, the MIN/MAX values are updated continuously.*

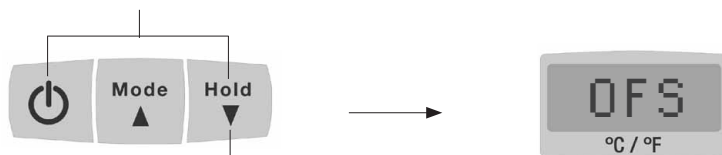
## Offset and Scale Adjustment

The offset and scale adjustment is mainly intended to be used to compensate errors of the external temperature probes. The display value is given by following formula:

unit = °C:	<b>Display = (measured value - offset) * ( 1 + scale adjustment [%] )</b>
unit = °F:	<b>Display = (measured value - 32°F - offset) * ( 1 + scale adjustment [%] ) + 32°F</b>

To adjust a measuring offset and scale proceed like follows:

1. Switch off the instrument.
2. Press the 'Hold' key while switching on.

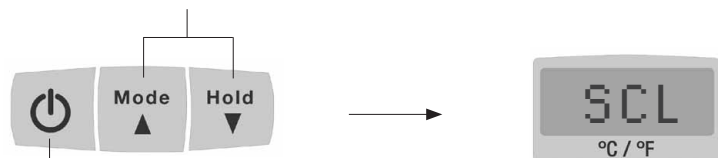


Keep only 'Hold' key pressed until 'OFS' appears in the display (about 3 seconds).

3. Press once 'Mode' or 'Hold' key, the currently selected offset adjustment appears.



4. Choose the desired value by pressing 'Mode' or 'Hold' key. (max. input range: ±5.0°C or ±9.0°F).



Enter by pressing On/Off-key: SCL appears in the display.

6. Press 'Mode' or 'Hold' key, the currently selected scale adjustment appears.



7. Choose the desired value by pressing 'Mode' or 'Hold' key. (max. input range: ±5.00%) The input is displayed in %.



Store the values by pressing 'On/Off'key.

Example:

Scale adjustment is 4.00 => scale is increased by 4.00% => Scale = 104%

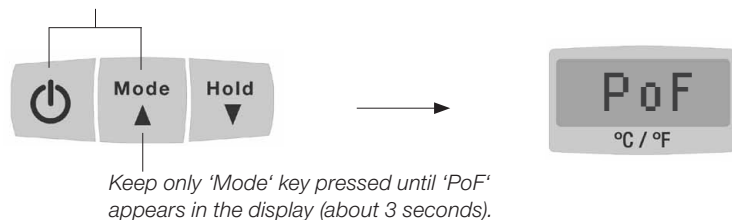
At a measured value of 100.0 (without offset correction) the instrument would show 104.0

**Please note:** If during the changing of the offset adjust no key is pressed within 20 seconds, the input will be aborted. Eventually made changes won't be stored!

## Configuration

To configure the instrument proceed like follows:

1. Switch off the instrument.
2. Press the 'Mode' key while switching on.



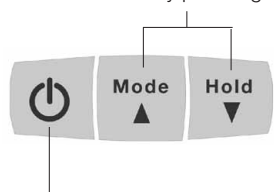
### Auto Power Off Time

The auto power off time is entered in minutes. If no key is pressed during a measuring, the instrument switches itself off automatically after the entered period of time.

3. Press 'Mode' or 'Hold' key, the currently selected power off time will be displayed (off, 1..120min)



4. Enter the desired time by pressing 'Mode' or 'Hold' key.



Possible input:  
- off: The auto power off function is deactivated (permanent operation)  
- 1...120: auto power off time in minutes.

5. Confirm the value by pressing 'On/Off' key, 'Uni' appears in the display.



**Please note:** If during the configuration no key is pressed within 20 seconds, the configuration will be aborted. Eventually made changes won't be stored!

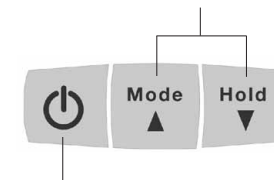
### Display Unit

The choice of the temperature display unit: °C or °F –valid for all temperature displays.

6. The display shows 'Uni' (=Unit)
7. Press 'Mode' or 'Hold' key, the currently selected unit will be displayed (°C or °F)



8. Enter the desired unit by pressing 'Mode' or 'Hold'key.



Confirm the value by pressing 'On/Off'key, 'rES'appears in the display



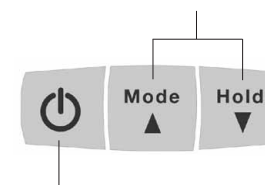
### Display Resolution

The choice of the temperature display resolution: 1° or 0.1°. JBC recommends 1°.

10. The display shows 'rES' (=rESolution)
11. Press 'Mode'or 'Hold' key, the currently selected resolution will be displayed (1° or 0.1°)



12. Enter the desired resolution by pressing 'Mode' or 'Hold' key.



- 0.1°: Display 0.1°C or 0.1°F. When exceeding the display range (>199.9°) the display automatically changes to 1° resolution  
- 1°: Display with 1°C or 1°F resolution

Confirm the value by pressing 'On/Off'key.  
The values will be stored, the instrument will restart (segment test).

# System Messages

**Er. 1** = measuring range has been exceeded

**Er. 2** = measuring values have fallen below perm. range

**Er. 7** = System fault - the device has detected a system fault (defective or far outside allowable ambient temperature range)

--- = No temperature probe connected or probe defective

- If the symbol "**BAT**" is displayed at the left side of display, the battery is weak, measuring can be continued for a certain time.

- If "**bAt**" is displayed in the main display the battery is used up and needs to be replaced. Measuring is no more possible.