

QUICKSTART  
**SmartTEMP**

S • M • L

**NTN** 

[www.ntn-snr.com](http://www.ntn-snr.com)



With You



For other languages, consult our website:  
[www.ntn-snr.com/smarttemp](http://www.ntn-snr.com/smarttemp)



## UNBOXING

Wear safety shoes



SmartTEMP **S**



SmartTEMP **M**



SmartTEMP **L**

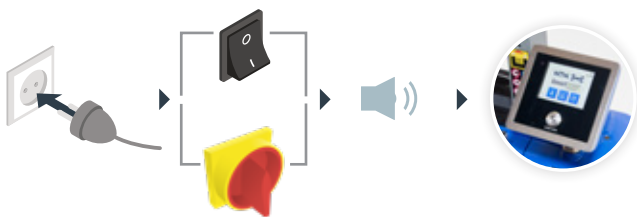


## LANGUAGES

To change the language, press the start/stop button for 8 seconds and select *Languages*.



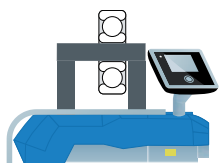
## SET UP



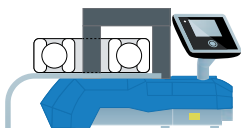
## THE WORKPIECE TO HEAT

### • Positioning the workpiece

Place the workpiece in a vertical or horizontal position.



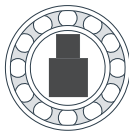
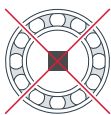
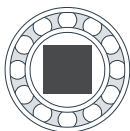
vertical



horizontal

### • Choosing the right yoke

Use largest yoke available or stack two yokes to center the workpiece around the yoke.

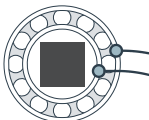
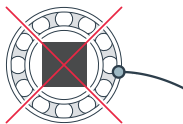


### • Using the temperature probe

Plug in with the red dot facing upwards.



Place the probe on the workpiece near the bore.



Only for 2 sensors mode.  
The second sensor is optional  
for SmartTEMP S and M.



## TEMPERATURE MODE

## ONE SENSOR

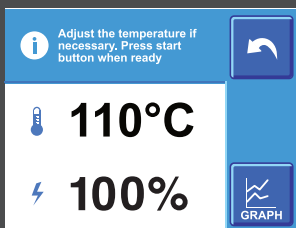
### ① PREPARATION

To change the temperature, press **110°C**.

Otherwise, proceed to step 2.

Press or to change the temperature (max. 240°C).

Press when the temperature is set.

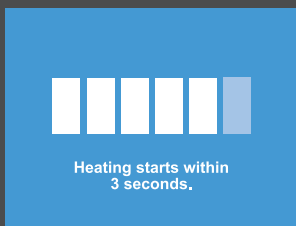


### ② HEATING PROCESS

Press to start the heating cycle and stand at a safe distance.

*There is a 5 second countdown before the cycle starts.*

When the preset temperature has been reached, the heater will hold that temperature.

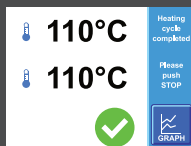


#### OPTIONAL



Please press the Start button on the remote control to start the heating cycle...

Alternatively, to start the heating process, press the start button on the remote.

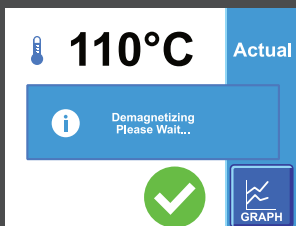


### ③ COMPLETION

Press to stop the heating cycle.

*The induction heater will now demagnetize.*

Hereafter it will return to the first screen.



## RAMP MODE

### ① PREPARATION

To change the temperature, press **110°C**.

To change the heating time, press **0:00**.

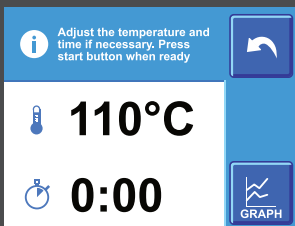
Otherwise, proceed to step 2.

Press or to change the temperature (max. 240°C).

Press when the temperature is set.

Press or to change the time.

Press when the time is set.

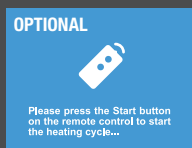
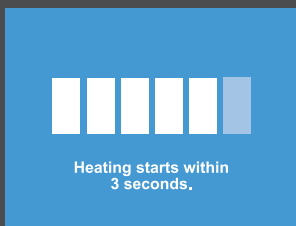


### ② HEATING PROCESS

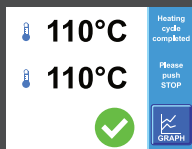
Press to start the heating cycle and stand at a safe distance.

*There is a 5 second countdown before the cycle starts.*

When the preset temperature has been reached, the heater will hold that temperature.



Alternatively, to start the heating process, press the start button on the remote.

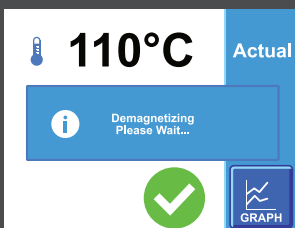


### ③ COMPLETION

Press to stop the heating cycle.

*The induction heater will now demagnetize.*

Hereafter it will return to the first screen.



## TEMPERATURE MODE

## TWO SENSORS

### ① PREPARATION

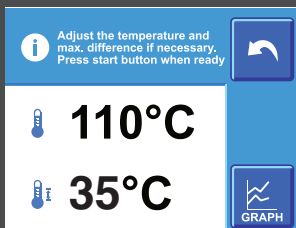
To change the temperature,

press **110°C**.

To change the  $\Delta$  temperature,

press **35°C**.

Otherwise, proceed to step 2.



Press or to change the temperature (max. 240°C).

Press when the temperature is set.

Press or to change the  $\Delta$  temperature.

Press when the temperature is set.

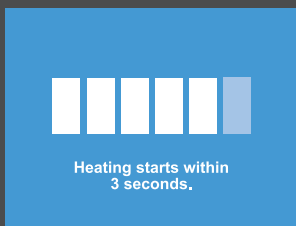


### ② HEATING PROCESS

Press to start the heating cycle and stand at a safe distance.

*There is a 5 second countdown before the cycle starts.*

When the preset temperature has been reached, the heater will hold that temperature.

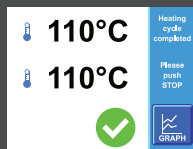
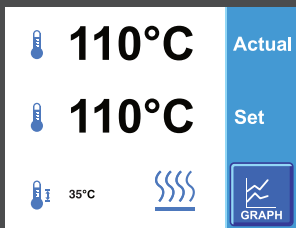


#### OPTIONAL



Please press the Start button on the remote control to start the heating cycle...

Alternatively, to start the heating process, press the start button on the remote.

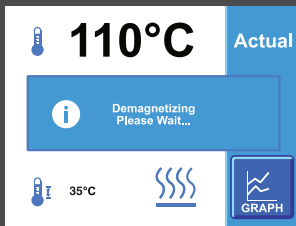


### ③ COMPLETION

Press to stop the heating cycle.

*The induction heater will now demagnetize.*

Hereafter it will return to the first screen.



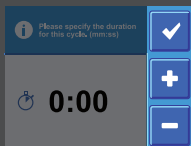
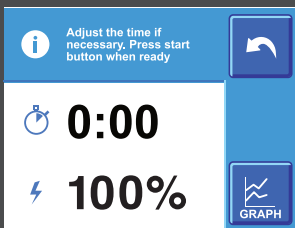
## TIME MODE

### ① PREPARATION

To change the heating time, press **0:00**.  
Otherwise, proceed to step 2.

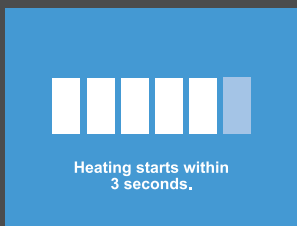
Press or to change the time (max. 99:59).

Press when the time is set.

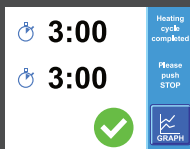
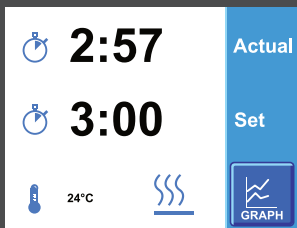


### ② HEATING PROCESS

Press to start the heating cycle and stand at a safe distance.  
*There is a 5 second countdown before the cycle starts.*

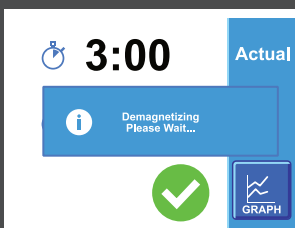


Alternatively, to start the heating process, press the start button on the remote.



### ③ COMPLETION

Press to stop the heating cycle.  
*The induction heater will now demagnetize.*  
Hereafter it will return to the first screen.



# DATALOGGING

## SAVE DATALOG

- 1 Finish heating cycle and press graph button
- 2 Insert USB drive in heater
- 3 Press save button and confirm button



## CONVERT TO CHART

- 1 Insert USB drive in PC
- 2 Open USB folder
- 3 Open the .CSV file(s)
- 4 Select the data columns and insert line chart



## SAVE CHART TO PDF

- 1 Press **CTRL** + **P** on keyboard
- 2 Select document printer  
For best results: Microsoft Print to PDF or Microsoft XPS Document Writer
- 3 Press print button - Follow on-screen instructions



# UPDATING FIRMWARE

## PREPARE USB DRIVE

- 1 Download update file from our website
- 2 Extract zip file
- 3 Insert USB drive in PC
- 4 Move update files to USB drive root
- 5 Eject USB drive from PC



## UPDATE HEATER

- 1 Turn heater on and insert the USB drive
- 2 Hold the START/STOP button for 8 seconds
- 3 Scroll down to the bottom of the list
- 4 Select "Update Firmware GUI"
- 5 Check version and press confirm button
- 6 Wait for heater to complete updating
- 7 Follow on-screen instructions



This document is the exclusive property of NTN-SNR ROULEMENTS. Any total or partial reproduction hereof without the prior consent of NTN-SNR ROULEMENTS is strictly prohibited. Legal action may be brought against anyone breaching the terms of this paragraph. NTN-SNR ROULEMENTS shall not be held liable for any errors or omissions that may have crept into this document despite the care taken in drafting it. Due to our policy of continuous research and development, we reserve the right to make changes without notice to all or part of the products and specifications mentioned in this document. © NTN-SNR ROULEMENTS, international copyright 2018

NTN-SNR ROULEMENTS  
1 rue des Usines - 74000 Annecy  
RCS ANNECY B 325 821 072  
Code APE 2815Z - Code NACE 28.15