

## Technical data sheet

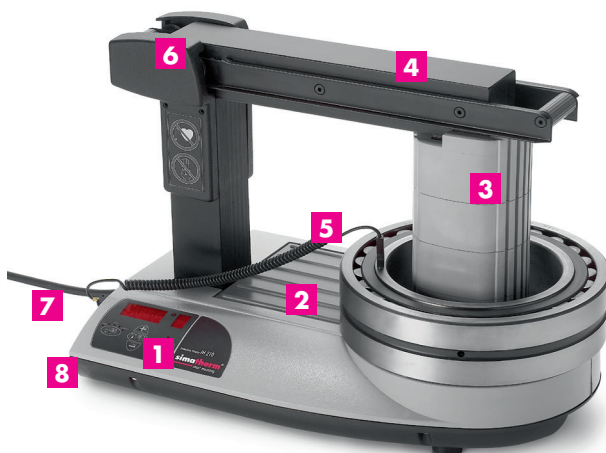
### Induction Heater IH 210



#### Large heater for bearings up to 300 kg

The large simatherm induction heater for roller bearings and other circular metal workpieces up to 640 mm bore diameter and a cross section of 250 x 250 mm. With the integrated time and temperature controls, roller bearings can be heated to the prescribed 110°C while other circular metal workpieces can be heated to 250°C.

- Sliding yoke allows easy loading and unloading
- Very compact design – including the yokes, only 75 kg overall weight
- Other power versions are available upon request
- Special executions with fans or an increased work area available upon request



#### Description of IH 210

- 1** Clear control panel with LED-display
- 2** Heating surface
- 3** Induction coil outside of the housing shortens the heating time and reduces the energy usage
- 4** Support yoke (two yokes included)
- 5** Magnetic temperature probe for monitoring the bearing temperature and for preventing overheating
- 6** Sliding yoke
- 7** Cable
- 8** Main switch

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### Induction Heater IH 210

<b>Designation</b>	Heater for large workpieces
<b>Voltage V / Hz / power</b>	400 V / 50 Hz / 10.0 kVA 440–480 V / 50–60 Hz / 11.5 kVA 575 V / 60 Hz / 10.4 kVA
<b>Workpiece</b>	
- Maximum weight	300 kg
- Bore diameter	60 – 640 mm
<b>Temperature control</b>	
- Range	0 – 250°C
- Magnetic probe	yes, type K
- Accuracy (electronic)	± 3°C
<b>Time control</b>	
- Range	0 – 60 minutes
- Accuracy	± 0.01 seconds
<b>Maximum temperature (approx.)</b>	250°C
<b>Thermometer mode</b>	yes
<b>Bearing temperature mode</b>	yes
<b>Power reduction</b>	4 levels / 20-40-60-80%
<b>Automatic demagnetization / residual magnetism</b>	yes / < 2A/cm
<b>Suitable for heating sealed bearings</b>	yes
<b>Suitable for heating pre-greased bearings</b>	yes
<b>Error guide codes</b>	yes
<b>Thermal magnetic flux</b>	yes
<b>Maximum magnetic flux</b>	1.5 T
<b>Control panel</b>	keyboard with LED-display
<b>Size of the operating area (WxH)</b>	250 x 250 mm
<b>Coil diameter</b>	135 mm
<b>Measurements (LxWxH)</b>	600 x 350 x 420 mm
<b>Overall weight including yokes</b>	75 kg
<b>Number of standard yokes</b>	2
<b>Standard yokes</b>	70 x 70 x 420 mm for bearings with a bore diameter of at least 100 mm 40 x 40 x 420 mm for bearings with a bore diameter of at least 60 mm
<b>Core cross section</b>	70 x 70 mm
<b>Yoke storage</b>	yes, integrated
<b>Sliding yoke</b>	yes
<b>Cooling fan</b>	optional
<b>Housing material</b>	aluminum



#### Features and Dimensions IH 210

- Can heat a bearing weighing 210 kg in 20 minutes from 20°C to 110°C, saving time and energy
- 4 different power consumption levels, along with smaller yokes, allow smaller bearings to be heated quickly and efficiently with less energy
- A pre-selected temperature of 110°C protects bearings from overheating
- Automatic demagnetization
- Delivered in a reusable wooden crate upon request
- 3 year manufacturer warranty