

THANK YOU FOR PURCHASING A GALLUNOPTIMAL SOLDERING IRON. Please read the operating instructions before operating and keep them in a safe place easily accessible to all users.

Before leaving the factory, the soldering iron is subjected to a test. This results in the soldering tip being covered with solder and may be slightly discolored. This does not represent a defect.

### WARNING

Failure to observe the following instructions may result in serious injury or death to the user.

**If the device is switched on, the soldering tip automatically heats up to the last set temperature. There is a risk of burns on the metallic surfaces!**

The device is designed for soldering soft solder at different temperatures. Any other use is not permitted.

Do not touch the metallic parts on the tools during operation and immediately after switching off, CAUTION! Risk of burns!

Do not use the device in the vicinity of flammable substances and components.

Use a heat-resistant work surface and keep your workplace clean.

Solders, fluxes and heated materials can develop harmful properties and should be exhausted in a controlled manner. Do not inhale these toxic fumes or gases and provide adequate ventilation.

The device may only be used in dry rooms. Protect the device from liquids and moisture. Do not touch the device with wet hands. Otherwise, short circuits and electric shocks could be triggered.

Inform other persons in the working area that the temperature can be very high during operation. Switch off the device as soon as the work is finished to avoid danger.

Do not leave the device unattended while it is switched on.

After switching off, wait until the heated parts have reached room temperature if you want to touch or change parts on them.

### Features:

- Soldering iron with precise temperature control
- Auto standby (0-60 minutes)
- Auto-standby (0-60 minutes)
- Rapid cartridge soldering tip system
- Ergonomic handle, magnetic holder
- Temperature adjustable via buttons on the soldering iron
- Heat-resistant silicone cable with kink protection
- Temperature lock function
- Calibration function

### Technical Data:

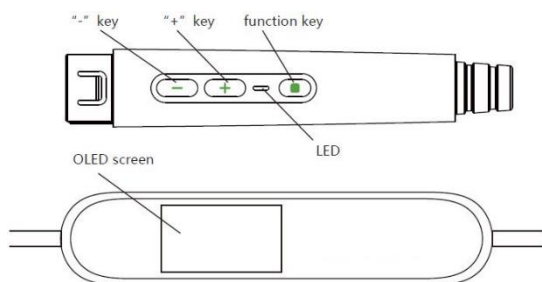
- Input Voltage 230VAC
- Power 80W
- Temp. range 100-500°C
- Temp. stability +/- 2°C
- Temp. compensation +/-100°C
- Temp. unit °C/°F
- Impedance tip-ground <0,1 Ω
- Voltage tip-to-ground <2mV
- OLED display 2,5cm with buttons
- Connection cable silicone 1.77m total
- Weight 160g

Silicone Cover      Grid Screw



### Change the cartridge soldering tip: Important NOTE!

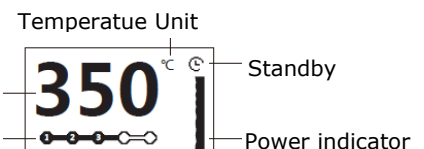
switch off the device to change the cartridge soldering tip! Let the soldering tip cool down to room temperature to prevent burns! Push back the handle pad (silicone cover) on the soldering iron and loosen the grub screw for fixing the soldering tip. Use an optionally available silicone pad for optimum extraction and protection from any residual heat. Only original GALLUNOPTIMAL replacement cartridges for SPRINT80+ & 80D+ may be used and inserted into the handle! Then lightly tighten the screw again to secure the cartridge soldering tip! **Never change a soldering tip with the grub screw tightened, otherwise the cartridge tip may be damaged when pulled out!**



<b>Function key</b>	Press long to open the menu Press briefly = Sleep mode ON/OFF Press briefly in the menu = Enter
<b>+ or -</b>	In menu = next or previous submenu In operation = increase or decrease temperature
<b>LED</b>	LED lights up permanently = heating up LED flashes slowly = SET temperature has been reached LED off = SET temperature has been exceeded
<b>OLED screen</b>	Digital Display

After switching on, the SET temperature is displayed for 1.5 seconds, then the current temperature is displayed.

Temperature indication in 5 steps. 1=100 and 5=500°C

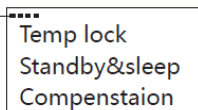


**Switch on:** When the mains plug is plugged in, the soldering iron will assume the last state and also stores this under voltage for restarting. If the soldering iron was e.g. in standby, this state will be started, otherwise heat up immediately. The display shows the actual temperature of the soldering iron tip.

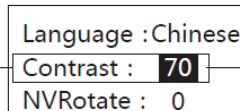
**Temperature:** The temperature is adjustable between 100-500°C (212-932°F) with the buttons +/-.

**Open Menu:** Press and hold the function key, then select the desired option with +/-.

Select 3 points for previous submenu or exit menu.



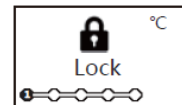
The currently selected menu is framed



Example **contrast:** Select menu item with +/-, mark with the function key and change the number with +/-.

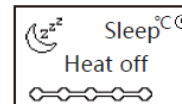
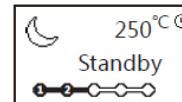
**Temperature lock**

When this function is activated, no set temperature can be changed.



**Standby and Sleep (idle mode)**

Set the standby temperature in menu **standby temp.**  
 Set the standbay time in menu **standby time** (0-60min.)  
 Set the idle time in menu **sleep time** (0-60min.)  
 The functions are inactive when set to 0.  
 In the idle mode, the display illumination is switched off. Pressing any key ends this state.



**Temperature Compensation**

Example: Set 350°C and wait 2 minutes to obtain a stable value. Measure the temperature at the soldering tip and enter the difference between ACTUAL and TARGET temperature as a value.

**Calibration** (Calibrate soldering tip temperature exactly)

**WARNING:** Changes affect the temperature control!

**NOTE:** Clean the soldering tip and wet it with solder. An oxidized soldering tip can otherwise cause temperature measurement errors. Use a suitable temperature measuring device!



Select **YES** in the calibration menu, then please allow T1 to stabilize and then measure the soldering tip temperature. Then enter this measured value with the keys +/- and confirm with the function key. Then repeat this procedure with T2.

**Interface** (Language / Contrast / Rotate display)

**Language** / DE or EN  
**Contrast** adjustable from 1 to 100  
**NVRotate** rotates the display 180°

**System** (°C/°F/factory setting)

**Unit** → °C or °F  
**FactorySet.** → YES → reset to default

Error	Prüfung	Lösung
<b>Lack of heater</b>	Is a soldering tip inserted?	Insert soldering tip!
	Is the soldering tip inserted correctly?	Check soldering tip and insert correctly!
	Soldering tip defect?	Change soldering tip!
<b>Err:No heating</b>	Is the soldering tip inserted correctly?	Check soldering tip and insert correctly!
	Soldering tip defect?	Change soldering tip!

**EU Declaration of Conformity according to Low Voltage Directive 2014/35/EU (No. 01-20)**

The manufacturer / distributor

Bräunlich GmbH  
 Am Heideberg 26  
 06886 Lutherstadt Wittenberg

hereby declares that the following product

Product name: **GALLUNOPTIMAL** Soldering Iron  
 Trade name: **GALLUNOPTIMAL SPRINT80**  
 Model name: GOSPRINT80+

complies with the provisions of the Low Voltage Directive 2014/35/EU - including its amendments in force at the time of the declaration.

The following harmonized standards have been applied:

"DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the harmonization of the laws of the Member States relating to electromagnetic compatibility".  
 The following national or international standards (or parts/clauses thereof) and specifications have been applied:

EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019  
 EN 60335-2-45:2002 + A1:2008 + A2:2012  
 EN 62233:2008

Location: Lutherstadt Wittenberg  
 Date: 30.8.2022

(Signature)  
 Tobias Bräunlich, CEO

Correct disposal of this product	
	The crossed-out wheeled garbage can indicates that this product must not be disposed of with other waste in the household waste throughout the EU. To avoid harm to the environment or damage to health, recycle the product responsibly to promote the sustainable reuse of material resources. For an environmentally sound disposal of your old device, please use the return and collection systems. For more information, please contact your city or local authority. Or contact the dealer from whom you purchased the product.



**Bräunlich GmbH**  
 Am Heideberg 26  
 D-06886 Lutherstadt Wittenberg

+49 (0) 3491/6181-0  
 info@loet-shop.de  
 www.loet-shop.de