

USER MANUAL

SOLDERING IRON

PCE-ESI 100

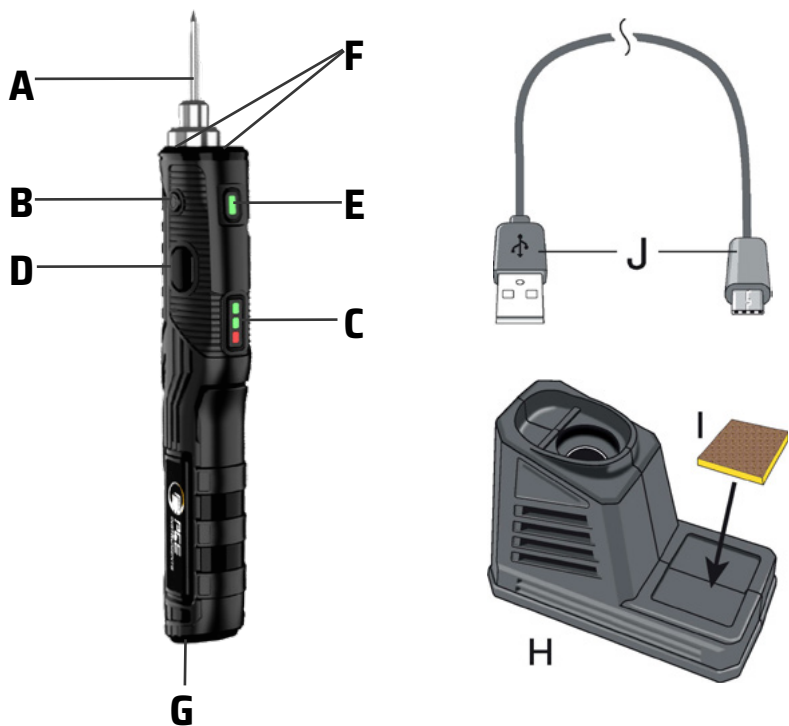


ENGLISH



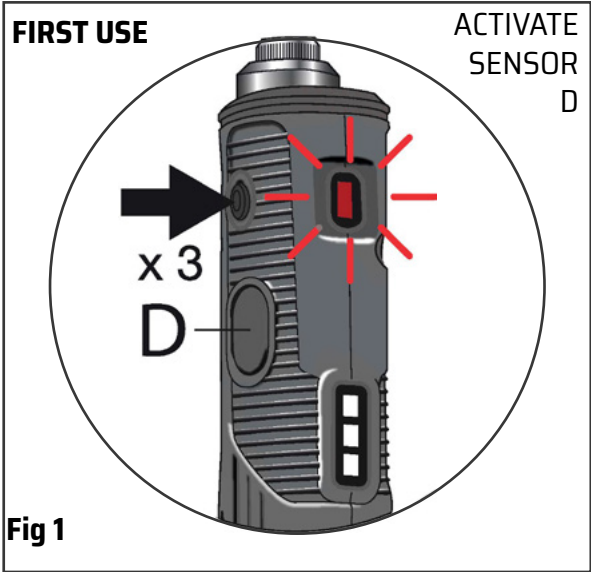
User manuals in various languages (français, italiano, español, português, niederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

COMPONENTS

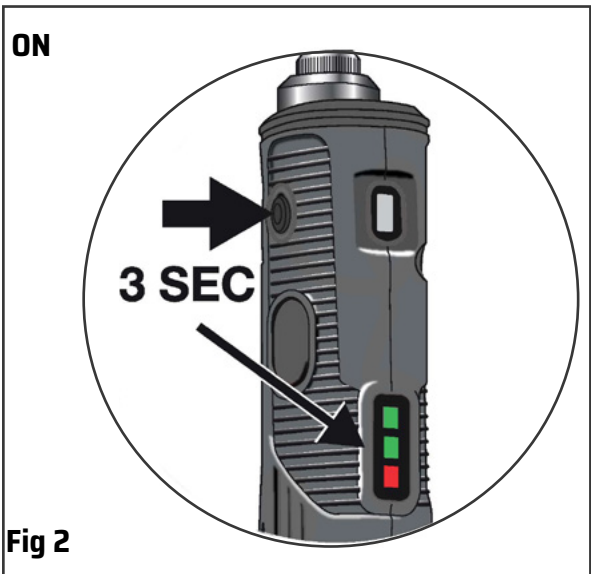


Ref.	Description
A	Soldering Tip (replaceable)
B	Power Button
C	Battery Indicator
D	Touch Sensor
E	Temperature Indicator LEDs
F	Work Lights (2 x LEDs)
G	Charge Port
H	Stand
I	Tip Cleaning Sponge
J	USB Charging Connector Lead

OPERATION

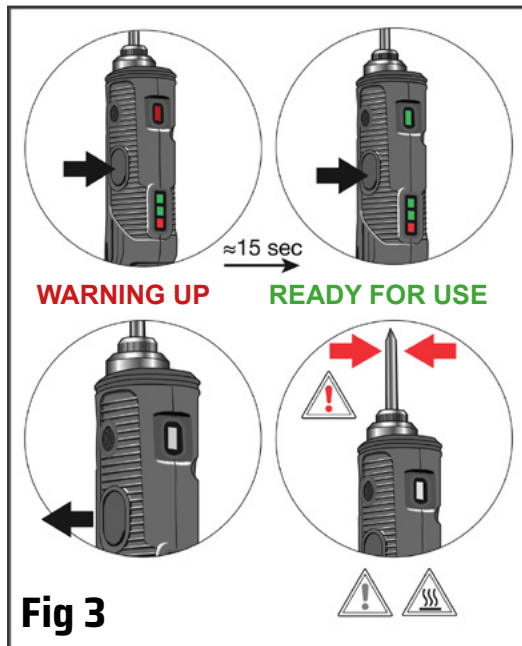


» **(Fig 1)** When first use, PLS press the power button 3 times continuously to activate the touch sensor



» **(Fig 2)** After sensor activated, press the power button for 3 seconds, the power indicator will light up, the pen is on.

OPERATION

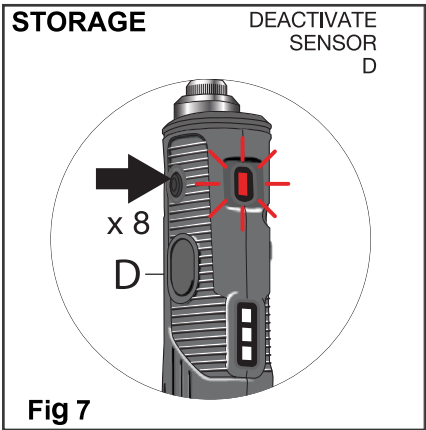
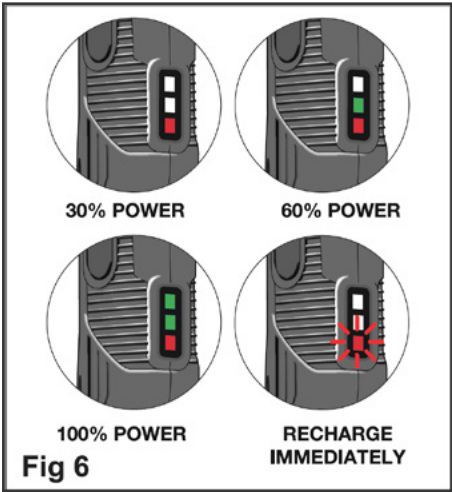
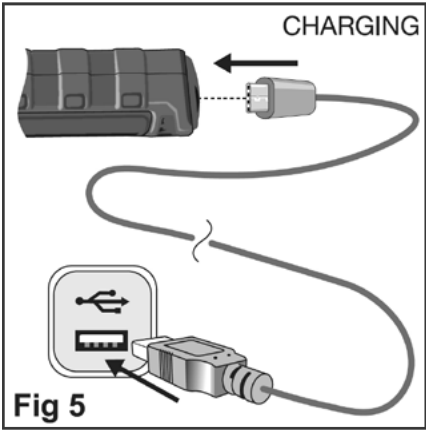


» **(Fig 3)** Put your finger on the sensor button for 15-30 seconds, the heating LED will go to green, the tip is heated up successfully, you can start your welding. Remove your finger from the sensor button and the heating will stop automatically.

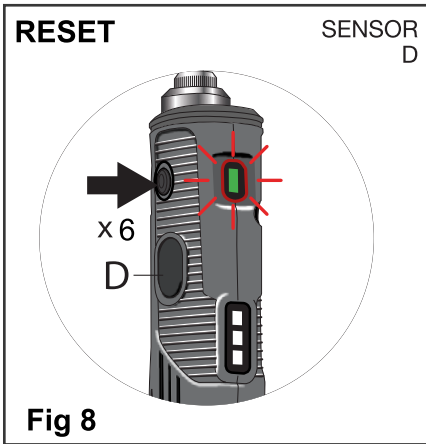


» **(Fig 4)** Press the power button once, the battery indicator will be off, and the pen is off now.

OPERATION



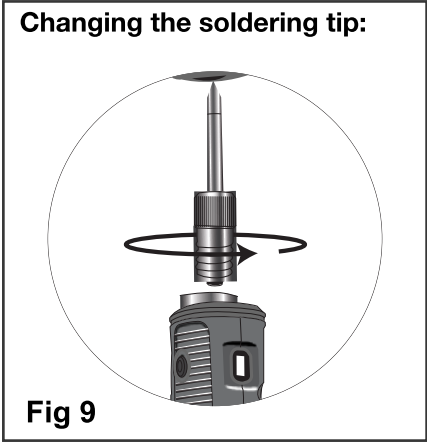
» (Fig 7) When not in use for a long time, you can press the power button 8 times continuously to deactivate the touch sensor.



» (Fig 8) When touch sensor fails due to external interference, you can press the power button 6 times continuously to reset the touch sensor.

Tip: when reset, do not put your finger on the touch sensor, otherwise it will not work.

OPERATION



SPECIFICATIONS

Lithium battery:	3.7V 1800mAH
Charge time:	1.5 hours (approximately)
Charging method:	USB (PC, laptop or USB mains adaptor)
Rated voltage:	5VDC
Rated power input:	8W
Max temperature	480° C
Max continuous working time:	1 hour
Auto shut-off	Approximately 3 minutes
Accessories included:	Stand, USB cable, tip cleaning sponge, 1 tube lead-free soldering wire

PRECAUTIONS



- » Wear approved eye and hand protection.
- » Read and understand these instructions.
- » Caution: soldering tip gets very hot in use (480° C).

- » Ensure the work area is clean, uncluttered and there are no flammable or combustible materials near the work area.
- » Do not leave tool unattended after use (fire hazard).
- » Always place the soldering iron in its stand when not in use.
- » Remove excess solder from the soldering tip on the cleaning sponge provided.
- » Do not attempt to remove excess solder from the tip by shaking it - hot solder can land on skin and cause burns and blisters.
- » Do not cool the tip by immersing in water.
- » Do not allow pets or children into the area where the soldering iron is being used.
- » If soldering tip is badly fitted or loose, the red temperature indicator LED (E) will flash continuously.
- » Tool does not operate while it is being charged.
- » Do not attempt to open, disassemble, modify or service the battery pack.
- » Do not let the device get wet or use in damp or wet conditions.
- » Do not expose to temperatures above 60°C (140°F).
- » Keep device clean and store in a dry and secure area.
- » Dispose of device according to relevant local authority guidelines.
- » No liability is accepted for incorrect use of this product - do not use the product for tasks it is not designed for. Use the product correctly and with care. Failure to do so may cause damage and/or

MAINTENANCE

- » Before cleaning, please disconnect the device.
- » Clean the equipment with a dry cloth.
- » If you don't want to use this equipment for a period of time, please store it in a dry and ventilated place. Keep it out of reach of children.

TROUBLE SHOOTING:

1. After switch on the soldering pen and pul finger on touch sensor to heat the tip, the tip does not heat up and the power LED keep flashing.
 - (1) The tip is not yet mounted tightly, pls turn the tip tightly.
 - (2) If tip is already tightly mounted, LED keep flashing, the tip may be broken, you need to replace a new tip.
2. After switch on the soldering pen, power LED light up, but the tip will not heat up when finger touching the touch sensor.
 - (1) The pen is not yet activated, pls press the power button 3 times to activate the soldering pen when first time to use it.
 - (2) The touch sensor is not working and need to be calibrated, pls press the power button 6 times to reset the touch sensor.

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

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