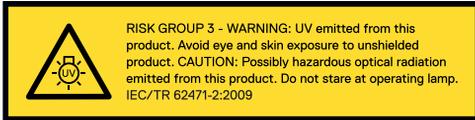


# Gemometrics



## Getting started

### Powering up GemPen®

GemPen® is charged using the enclosed cable, connected to a USB port. Please use a CE-marked charging source, 5V 1A.

Charge by inserting the provided standard USB cable to the port located at the side of GemPen® as shown in figure 1. Connect the adapter into an external power socket.

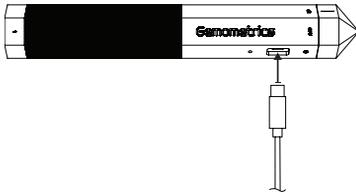


Figure 1

### Switching on and off your device

To switch on your GemPen®, turn the knob one click clockwise (60°) as illustrated in the figure 2. A white light will begin to shine indicating that GemPen® is turned on. To switch off GemPen® turn the knob one click in the opposite direction as illustrated in figure 3.



Figure 2



Figure 3

### Auto off

To ensure that GemPen® conserves energy and to avoid potential damages, the device will automatically turn off within 1 minute after turned on.

### Battery indicator

When the battery is too low to function properly, the LED indicator will blink red. GemPen® is fully charged when the LED indicator shows the constant color of green.

### Battery Information

Internal rechargeable standard lithium-ion battery 18650. Don't attempt to replace the GemPen® battery yourself—you may damage the battery, which could cause overheating, fire, and injury. The lithium-ion battery in your GemPen® should be serviced or recycled by Gemometrics, and must be recycled or disposed of separately from household waste. Dispose of batteries according to your local environmental laws and guidelines.

### Operational environment

GemPen® can be operated in temperatures ranging from -10° C to + 35° C and in a maximum of 95% humidity non condensing. GemPen® can be charged in temperatures ranging from 0° C to +45° C.

### Register your product

For more information and to register your GemPen®, visit [www.gemometrics.com](http://www.gemometrics.com).

# Gemometrics

## Performing a test

Connect a filter to GemPen® as illustrated in figure 4.

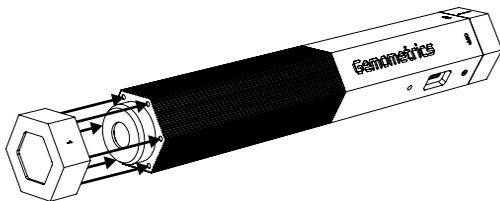


Figure 4

Rotate GemPen® and examine the LED indicator next to the USB-C port on the unit. If it glows in the color of white the unit can be used for testing gemstones. After GemPen® is switched on, hold and point GemPen® towards your gemstone. The filter glass should be within 30-50 mm from the gemstone. It is highly recommended to place your gemstone in the GemPen® Travel Case before switching GemPen® on. Depending on the position of the gemstone you may want to twist and tilt GemPen® for a more accurate result. When conducting a screening test, it should look like the illustration in figure 5.

On [www.gemometrics.com](http://www.gemometrics.com) you will find the Diamond Map, the Gemstone Map and the Test Trees which could be used as a reference to validate your gemstones. The results are indicative.

## Warranty

Please consult our website regarding any eventual warranty claims. The Gemometrics One-Year Limited Warranty is a voluntary manufacturer's warranty. It provides rights separate to rights provided by consumer law, including but not limited to those relating to non-conforming goods. As such, the Gemometrics One-Year Limited Warranty benefits are in addition to, and not instead of, rights provided by consumer law and it does not exclude, limit or suspend a buyer's rights arising from consumer law. Consumers have the right to choose whether to claim service under the Gemometrics One-Year Limited Warranty or under their consumer law rights. Important: The Gemometrics One-Year Limited Warranty terms and conditions shall not apply to consumer law claims. For further information about consumer law, please visit the Gemometrics website or contact your local consumer organisation. For any other inquiries regarding GemPen®, kindly contact [info@gemometrics.com](mailto:info@gemometrics.com). Register your Warranty on-line by inserting your unique Product reference number (starting with GPX). Please consult [www.gemometrics.com](http://www.gemometrics.com) for further instructions.

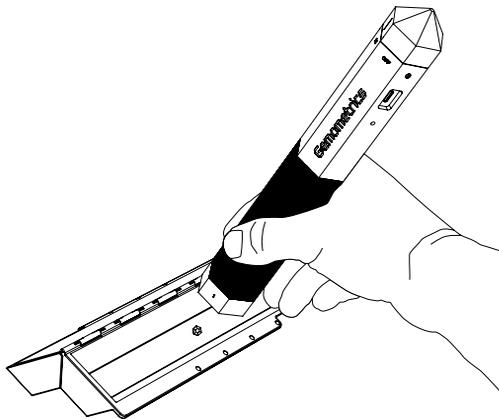


Figure 5

## Important notes

- It is necessary to conduct prior tests to ascertain the type of stone that is tested.
- To increase accuracy, it is recommended to use the GemPen® Travel Case as shown in the illustration in figure 5.
- Do not use GemPen® when the power indicates a red light, as it will yield inaccurate results.
- Please apply the right filter while validating a gemstone.

In case the filters are damaged, please order new on our website [www.gemometrics.com](http://www.gemometrics.com).