



# **PCE-DHM 5 DIGITAL HANDHELD MICROSCOPE**



## **PCE INSTRUMENTS PCE-DHM 5 DIGITAL HANDHELD MICROSCOPE Owner's Manual**

[Home](#) » [PCE Instruments](#) » PCE INSTRUMENTS PCE-DHM 5 DIGITAL HANDHELD MICROSCOPE Owner's Manual 

### **Contents**

- [1 PCE INSTRUMENTS PCE-DHM 5 DIGITAL HANDHELD MICROSCOPE](#)
- [2 Product Usage Instructions](#)
- [3 Frequently Asked Questions](#)
- [4 FEATURES](#)
- [5 Specification](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)



**PCE INSTRUMENTS PCE-DHM 5 DIGITAL HANDHELD MICROSCOPE**



## Product Usage Instructions

1. **Charging:** Connect the device to a power source using the provided USB-C cable and adapter. Ensure the device is fully charged before use.
2. **Power On/Off:** Press and hold the power button to turn the device on or off.
3. **Inserting Micro-SD Card:** Insert a compatible Micro-SD card (up to 32GB) into the designated slot on the device.
4. **Adjusting Light Intensity:** Use the controls to dim or brighten the LED lights according to your needs.
5. **Capturing Images/Videos:** Press the dedicated capture button to take images or record videos. Adjust resolution settings as needed.

## Frequently Asked Questions

**Q: How do I transfer images/videos to a computer?**

**A:** You can connect the device to a computer using the USB-C cable provided. The device will be recognized as a removable storage device, allowing you to transfer files easily.

**Q: Can I disable the auto power-off feature?**

**A:** Yes, the auto power-off feature can be disabled. Refer to the user manual for instructions on how to adjust the auto power-off settings.

**Q: What is the recommended operating temperature for the device?**

**A:** The device operates best within a temperature range of X to Y degrees Celsius. Avoid exposing it to extreme temperatures.

**Q: How do I clean the lenses of the digital microscope?**

**A:** Use a soft, lint-free cloth to gently wipe the lenses. Avoid using harsh chemicals or abrasive materials that may damage the lenses.

## **FEATURES**

- 2-inch HD LCD screen
- image and video recording functions
- resolution: image: JPG 2 MP / video: 720Pixel
- 30fps
- 400 ... 800x magnification
- single and time-controlled continuous recording
- 6 dimmable LEDs
- 22 menu languages
- USB-C interface
- for indoor and outdoor use
- date and time display
- automatic power off
- Our digital handheld microscope offers 400 ... 800x magnification and a 2-inch IPS HD screen to capture images and videos.
- Six dimmable LEDs ensure optimum illumination and thanks to the two brightness levels, objects can also be recognised in dark environments.
- The digital handheld microscope supports image and video recording functions, images can be captured during observation and saved on a micro SD memory card (not included, max. 32 GB).
- The digital handheld microscope can also be connected to a PC via a USB cable to display objects on a larger screen.
- Various recording modes are available, including single recording and timed continuous recording (2, 3, 5, or 10 seconds).
- Our digital handheld microscope enables automatic image capture at set time intervals with the continuous capture function and is ideal for long-term observations and time-lapse studies.
- Loop recording offers adjustable intervals from 5 seconds to 30 minutes. Focus and exposure can be adjusted as required. Various color effects such as black and white and reminiscence are available.
- The auxiliary line function includes options such as core and cross and enables precise positioning and measurement of samples.


## **Specification**

### **General technical data**

- **Display type** IPS
- **Display size** 2-inch

- **Display resolution** 320 x 240
- **Storage medium** Micro SD card
- **Storage capacity** 32 GB
- **Interface** USB-C
- **Resolution Video:** 720 pixels, 1080 pixels (adjustable)
- **Image:** JPG 2 megapixels
- **Operating time** 3 h
- **Automatic power-off from...to** 3 ... 10 min.
- **Automatic power-off can be deactivated** Yes
- **Light source** 6 dimmable LED's
- **Magnification** 400 ... 800 x
- **Menu language** English, German, French, Italian, Spanish, Dutch, Portuguese, Danish, Turkish, Polish, Russian, Chinese, Japanese, Korean, Czech, Hebrew, Hungarian, Arabic, Thai, Romanian, Swedish
- **Protection class** (device) IP20
- **Power supply** 5 V, 1 A
- **Weight** 131 g
- **Operating conditions** 10 ... 50 °C , 0 ... 85 % r.F
- **Storage conditions** 10 ... 50 °C , 0 ... 85 % r.F
- **Capacity** 700 mAh
- **Dimensions ( L x W x H )** 165 x 60 x 60 mm
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## Documents / Resources

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|  | <p><a href="#">PCE INSTRUMENTS PCE-DHM 5 Mobile Digital Microscope</a> [pdf] Owner's Manual<br/> PCE-DHM 5 Mobile Digital Microscope, PCE-DHM 5, Mobile Digital Microscope, Digital Microscope, Microscope</p> |
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## References

- [ci Computer Instruments | Home](#)
- [Industrial Measurement Products and Solutions | PCE Instruments](#)
- [User Manual](#)