USER MANUAL

UV METER

PCE-UVA 36ES

ENGLISH



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

INTRODUCTION

The PCE Intrument's UVA Meter is a portable, battery-powereddevice used to measure ultraviolet radiation in the UVA band. With an inbuilt sensorand digital readout, it's ideal for monitoring UV intensity in various industrial andlaboratory settings.

FRONT & BACK PANEL DESCRIPTION



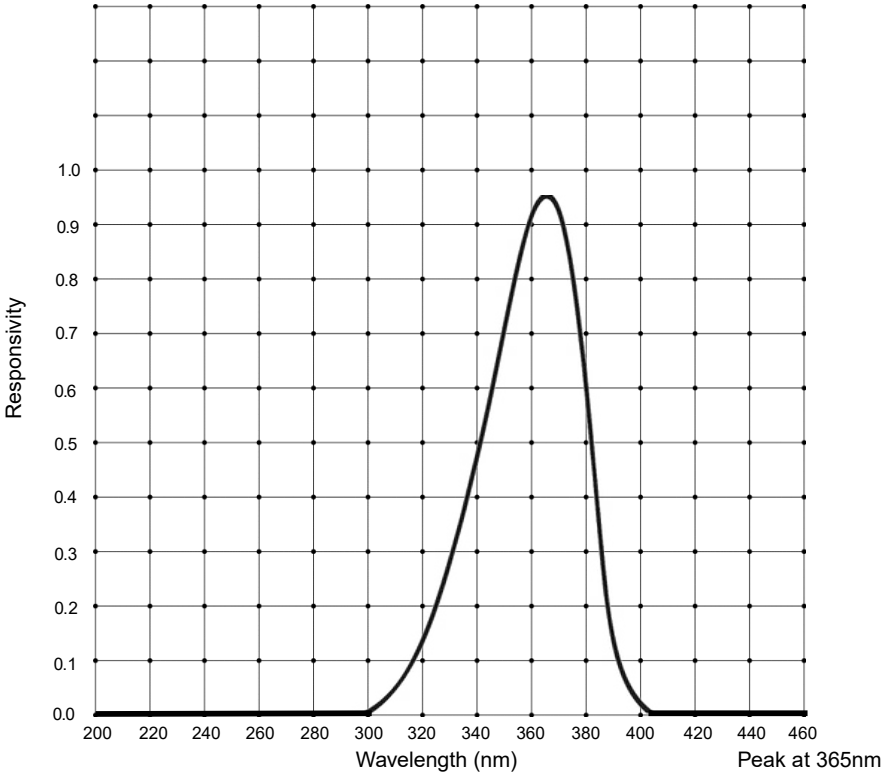
1 - Display
2 - Hold Button
3 - Power On/Off Button
4 - UV Sensor Window

5 - Serial Number
6 - Device Info
7 - Battery Compartment/Cover

TECHNICAL SPECIFICATIONS

UV Light Type Measurement	UVA
Display Type	LED Display with Backlight
Display Size	30 x 15mm
Sensor	External
UV Spectrum Range	300 ... 390 nm
UV Peak Wavelength	365 nm
Measurement Range	Up to 19.999 µW/cm²
Measurement Accuracy	±4% of FS
Resolution/ Least Count	1 µW/cm²
Operating Temperature	0 ... 60°C
Sample Time	Approx. 1 sec
Power Supply	2 AA Batteries, 1.5V
Weight	Approx. 220 gms (including battery)
Dimension	116 x 68 x 28 mm (UVA Meter) 78 x 38.5 x 15.5 mm (Sensor)

UV SENSOR SPECTRUM



OPERATIONS

» **Power On:**
Before powering on the device, ensure that 2 AA batteries are properly installed. To turn on the meter, press and hold the Power On/Off button for 2 seconds until the PCE Instruments logo appears on the display. Release the button once the logo is visible.

» **Power Off:**
To turn off the device, press and hold the Power On/Off button for 1 second. The display will shut down after you release the button. Alternatively, the device will automatically power off after 4 minutes of inactivity.

» **Measurement:**
To take a reading, position the built-in UV sensor directly under the UV light source to be measured. The display will show the UV intensity in µW/cm².

» **Data Hold:**
To hold a measurement, press and hold the HOLD button for 1 second. Upon release, the current reading will be frozen on the display, and an „H“ symbol will appear alongside the UV value. To release the hold and resume real-time measurement, press the HOLD button again.

» **Note:**
The device updates readings approximately once per second. Also, use appropriate safety measures when working near high-intensity UV sources.

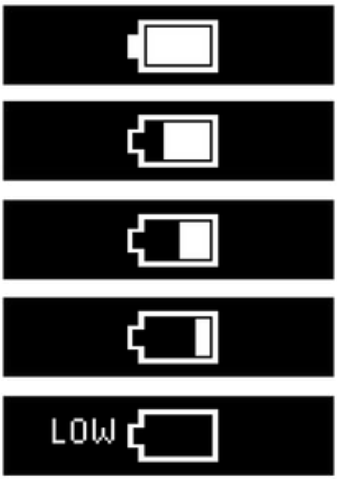
OPERATING GUIDELINES

» Ensure the UV beam is properly aligned with the sensor window for accurate readings.

» If you experience difficulty while taking measurements, check and clean the UV sensor window.

» The UV sensor is a precision component; always use with care.

BATTERY INDICATION ON DISPLAY



Battery is 100%

Battery is 75%

Battery is 50%

Battery is 25%

Battery is low

BATTERY REPLACEMENT

- When Display shows LOW in the right corner, it is necessary to replace battery. However, measurement may still be made for several minutes after low battery appears.
- Open the back battery cover.
- Remove old AA batteries.
- Insert new ones, matching polarity.
- Replace cover and power on the device.

SAFETY INSTRUCTIONS

- Do not expose the device to direct sunlight for prolonged periods.
- Avoid exposure to excessive heat or humidity.
- This device is not waterproof. Improper use may result in damage.
- This device is not intended for medical diagnostics.
- Handle the sensor with care; do not scratch or contaminate the sensor window.

MAINTENANCE AND CARE

- Clean the sensor gently using a dry microfiber cloth.
- Store the device in a cool, dry environment when not in use.
- Replace the batteries when the Low battery indicator apprears or display appears dim or becomes unreadable.
- Avoid dropping or subjecting the device to physical shocks.
- Keep this manual for future reference.

CALIBRATION

- Calibration Interval: Once every 12 months or as required.
- Calibration Service: Contact PCE Intruments or an authorized service center.
- Do not attempt to calibrate internally unless qualified.

TROUBLESHOOTING

Issue	Solution
Display not turning on	Check/replace batteries
Inaccurate readings	Clean sensor, recalibrate
Flickering display Battery low	Battery low – replace batteries
No response to UV source	Ensure correct orientation; check UV output source

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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