



Operation Manual
Acumen³⁶⁵
UV-A Meter

General Information:

The Acumen³⁶⁵ is equipped with dual-wavelength sensor for measuring both ultraviolet and visible light during fluorescent NDT inspections in laboratory or industrial applications.

Safety Instruction:

- Keep the instrument away from wet platforms and hot surfaces.
- UV-A Sensor is designed to measure the UV-A light intensity range, which may be hazardous to the eyes and skin, so kindly use UV protecting goggle and face wear.
- Anyone who is not familiar with the operating instructions should not use the UV-A meter and its components or must be supervised when using it.

Salient Features:

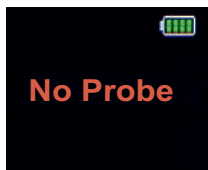
- Big and colorful LCD screen Display
- Compact & Handheld
- Rechargeable Li-Ion Battery
- Continues 8 hours of battery back up in single charge
- Able to measure both UV-A and visible illuminance in LUX or in foot-Candle.

Technical Specifications:

Model Name	Acumen ³⁶⁵
Spectral Range	UV-A Sensor: 290-395 nm Visible sensor: 380-750 nm
Measuring Range	UV-A (365 nm): 0.5 - 10000 uW/cm ² Visible (555 nm): 0 - 5300 LUX (0- 500fc)
Accuracy	±5% of reading
Display	160 x 128 dot pixel TFT Display
Power requirement	3.4V, 1000mAh Li-ion rechargeable Battery
Dimension	Reader Unit(LxWxH):(146x85x25)mm Sensor Unit (LxWxH) :(69x50x20) mm
Operating Temperature	10°C to 50°C
Battery Charging Time	3.5 Hrs.
Weight	325 gm (0.717 lbs.)

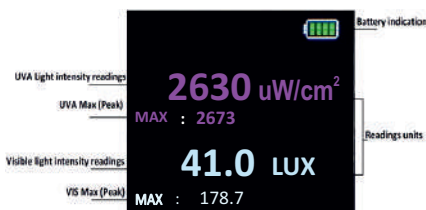
Operating Instructions:

- Charge the Unit completely before using it for the first time.
- Press the ON/OFF button to switch on the device.
- When you switch ON the device without connecting the probe or when you detach the probe in ON condition then No Probe message shows.



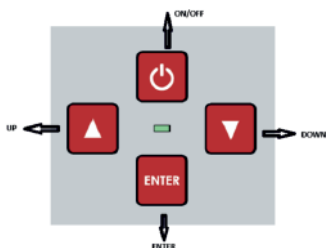
Note: For measurement purposes, it's advisable to connect the probe before switching on the equipment.

- By default, Unit for UV-A intensity will be in $\mu\text{W}/\text{cm}^2$ and visible light intensity in LUX. The following is the image of default display in operation mode.



- To measure the peak intensity of UV-A and visible, you can move the head of sensor to readout the peak value of illumination, In Acumen³⁶⁵ it holds the peak value automatically as shown in the image above.

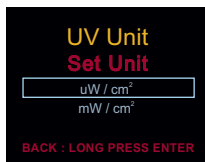
Keypad Picture:



- For Customize setting, press the ENTER button, on release of enter button you will come to MENU screen as shows in the below image.



- Press the UP & DOWN button to select the feature to be modified and press the ENTER button to access the next screen.



- To change the unit of measurements, press the up & down button to scroll & press the enter button to select Unit.
- The example below shows the available units for Visible Light and Ultraviolet Light.



- After the unit selection, a message will display as shown below.
- To come BACK from current menu long press, enter button.
- UV-A meter shows DEVICE INFO by long press enter button, which shows basic information of unit that is CAL DATE, CAL DUE, SR NUMBER, SOFT VER. as shown in below image.
- There is 10sec time out given to display the intensity reading screen.



Battery Charging Instructions :

- The instrument comprises a Li-Ion battery, which can be charged by a given AC-to-DC adapter.
- The input of these adapters is universal, i.e., INPUT: 100-240VAC / 50-60Hz & OUTPUT: 5VDC, 2.4A.
- The operator can check the battery status from the charging symbol which is displayed on the screen.
- The instrument must be immediately charged once the low battery indication is displayed.
- The batteries take approximately 3.5 hours to fully charge.
- A fully charged battery pack unit can work for approximately 8 hours to continue.
- Charging Indicator (Green LED)
ON- Battery is Charging
Off-No adapter connect, charging complete or charging disabled

- Battery indication colors
- <25% : Red color
 - 25%-50% : orange color
 - 51%-75% : White color
 - >75% : Green color

Caution:

- Liquids and caustics substances can damage the unit.
- Do not spray on the instrument and never immerse any part of the unit in liquid.
- Do not use abrasives, solvents, or lubricants to clean the unit.

Cleaning and Storage:

- Periodically wipe the case and the unit with a damp cloth.
- Store the unit in the carrying case properly and in a dry room which is free from dust and humidity

Product Warranty:

- The Acumen³⁶⁵ is warranted for a period of 12 months whereas battery & its charger are warranted for a period of 6 months from the date of purchase.
- The warranty is void if the equipment is used in a non-professional manner, resulting in damage or if repairs are carried out other than authorized service center & warranty seal is broken.

Kit Contains:

- Acumen³⁶⁵ UV-A meter
- Charging adaptor & USB A to USB C cable
- Certificate of Conformance
- Operating Manual



Thank you for your business!

WE trust, we have catered as per your expectations...



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Specifications subject to change without notice.