

UV 5 Click



PID: MIKROE-5535

UV 5 Click is a compact add-on board that can measure UV radiation. This board features the [AS7331](#), a spectral UVA/B/C sensor from [ams](#). The sensor can measure UVA, UVB, and UVC, which are the main types of UV rays from the UV radiation of the sunlight. It uses ADC with a high dynamic range (16... 24-bit) for measurements from low to high radiation conditions and has a high sensitivity, which makes it usable for fluorescence light conditions. This Click board™ makes the perfect solution for the development of applications for UV disinfection, UV-curing, partial discharge monitoring, analytics (water monitoring, microorganism contaminations), phototherapy, skin diagnostics, horticulture, and more.

UV 5 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Optical
Applications	Can be used for the development of applications for UV disinfection, UV-curing, partial discharge monitoring, analytics (water monitoring, microorganism contaminations), phototherapy, skin diagnostics, horticulture, and more
On-board modules	AS7331 - spectral UVA/B/C sensor from ams OSRAM
Key Features	Separated UVA, UVB, and UVC radiation measurements, UV-radiation measurement from low to high radiation conditions, selectable I2C address, temperature compensation for measurement results, and more
Interface	I2C
ClickID	Yes
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[AS7331 datasheet](#)

[UV 5 click schematic](#)

[UV 5 click example on Libstock](#)

[UV 5 click 2D and 3D files](#)

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