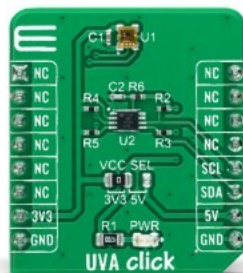


## UVA Click



PID: MIKROE-4911

UVA Click is a compact add-on board used to detect solar UV index. This board features the GUVAC32SM, an ultraviolet light sensor capable of measuring UV index between 0 to 14 from Genicom Co., Ltd. It contains the GaN-based chip die, amplifiers, ADC, digital control logic, and I2C interface circuit to measure UVA volumes, working in the spectral range of 220-370nm. The GUVAC32M can acquire the intensity of UVA, respectively, and outputs digital count according to each intensity. By using the available power management mode properly according to the work to be done, the power consumption can be reduced. This Click board™ is suitable for various applications, such as determining exposure to ultraviolet radiation in a laboratory or environmental settings, weather stations, industrial manufacturing, and many more.

UVA 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 in applications such as determining exposure to ultraviolet radiation in a laboratory or environmental settings, weather stations, industrial manufacturing, and many more
On-board modules	GUVA-C32SM - ultraviolet light sensor capable of measuring UV index between 0 to 14 from Genicom Co., Ltd
Key Features	Integrated GaN Sensors for UVA, programmable gain and integration time, power management modes, I2C interface, and more
Interface	I2C
ClickID	No
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

## Downloads

[PCA9306 datasheet](#)

[GUVA-C32SM datasheet](#)

[UVA click 2D and 3D files](#)

[UVA click schematic](#)

[UVA click example on Libstock](#)

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