

UVB Click



PID: MIKROE-4145

UVB Click is based on GUVB-C315M ultraviolet sensor from GenUV. UVB Click supports integrated functions of ultraviolet light sensors such that can be easily configured and used in user applications. Overexposure to UVB radiation not only can cause sunburn but also some forms of skin cancer, so knowing amount of UVB light can be quite important and this Click board™ is perfect solution for that task.

UVB Click board™ 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	It can be used for UV measurement applications, sun exposure protection devices, prototyping of wearables, handsets, and various consumer electronics based on received UV light
On-board modules	GUVB-C31SM
Key Features	UVB sensing with 16-bit resolution, Support UV index measurement (0~16), Response at only UV range
Interface	I2C
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™ Standard specification](#)

[LibStock: mikroSDK](#)

[Click board catalog](#)

[Click boards™ Standard Page](#)

Downloads

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

[GUVB-C31SM datasheet](#)

[UVB click schematic](#)

[UVB click example on Libstock](#)

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