

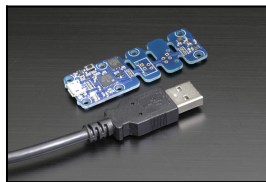
The Yocto-Altimeter-V2 device is a USB altimeter : it will give you an altitude estimate based on atmospheric pressure. The Yocto-Altimeter-V2 is precise enough to detect 10cm altitude changes. It will also give you the current pressure and temperature. Data can be recorded on the internal flash memory, in order to build a data history that can be retrieved later on over USB.

This circuit has been designed so that the sensor itself can be moved further away from the USB connector by a few meters: simply split the board into two parts and solder a 4-wire cable on the designated pads.

Specifications

Product ID	YALTIMK2
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	4 g
Sensor	ICP-10100 (TDK)
Refresh rate	8 Hz
Measuring range	0...10000m
Measuring range (P)	250...1100 mbar
Sensitivity	10 cm
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature [‡]	-20...85 °C
RoHS	Yes
USB Vendor ID	0x24E0
USB Device ID	0x008E
Suggested enclosure	YoctoBox-Long-Thin-Transp-Vents
Harmonized tariff code	8542.3190
Made in	Switzerland

[‡] The extended temperature range is defined based on components specifications and has been tested during a limited duration (1h). When using the device in harsh environments for a long period of time, we strongly advise to run extensive tests before going to production.



For more information: www.yoctopuce.com/EN/products/yocto-altimeter-v2