

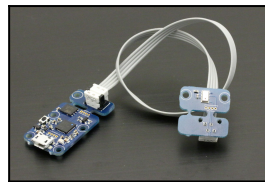
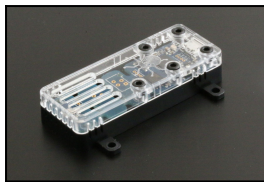
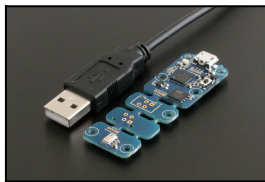
The Yocto-Altimeter device is a USB altimeter : it gives you an altitude estimate based on atmospheric pressure. The Yocto-Altimeter is sensitive enough to detect 25cm altitude changes. It also gives you the current pressure and temperature. Data can be recorded on the internal flash memory, in order 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 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	YALTIMK1
USB connector	micro-B
Width	20 mm
Length	60 mm
Weight	4 g
Sensor	MPL3115A2
Refresh rate	5 Hz
Measuring range	0...11500 m
Measuring range (P)	200...1100 mbar
Sensitivity	25 cm
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature [‡]	-10...85 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x003F
Suggested enclosure	YoctoBox-Long-Thin-Black-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