

Do you need to measure some tilt angles with great accuracy? then the Yocto-Inclinometer might be the solution. This device is based on Murata's SCL3300 sensor. That sensor works with a 3D accelerometer precise enough to give you a 0.01° accuracy when measuring an angle. Beware this device doesn't feature any compass. You can measure tilt angles, but horizontal orientation is not available.

The Yocto-Inclinometer can be installed in any position: Reference frame changes are handled by the device. The device will automatically compute tilt angles, no extra computing is required in the application.

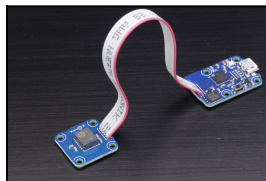
The device can be split, allowing to move the sensor part away, on a moving part for instance.

Specifications

Product ID	YCLINOM1
Hardware release [†]	
USB connector	micro-B
Thickness	5 mm
Width	20 mm
Length	55 mm
Weight	4.4 g
Sensor	SCL3300 (Murata)
Frequency	10 Hz
Accuracy	0.01 °
Protection class, according to IEC 61140	class III
Normal operating temperature	5..40 °C
Extended operating temperature [‡]	-30..85 °C
RoHS compliance	RoHS III (2011/65/JE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x009F
Suggested enclosure	YoctoBox-Long-Thin-Black
Harmonized tariff code	8542.3190
Made in	Switzerland

[†] These specifications are for the current hardware revision. Specifications for earlier revisions may differ.

[‡] 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-inclinometer