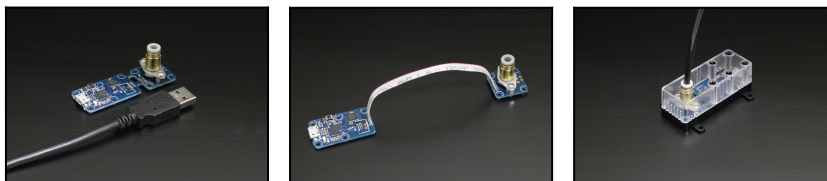# Yocto-Pressure

Do you need to monitor a pressurized circuit? The Yocto-Pressure might be the solution. This device can measure gas or liquid pressure up to 10 bars through USB. Moreover, it can record measured values on its internal flash for later retrieval when connected again by USB (built-in data logger). The Yocto-Pressure can also measure the temperature of the gas/liquid it is in contact with. The device features a SMC "one touch" fitting allowing to connect it to any 4mm tube very easily.

The Yocto-Pressure 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	PRESSMK1
USB connector	micro-B
Thickness	23 mm
Width	20 mm
Length	60 mm
Weight	10.6 g
Sensor	MS583730BA01-50
Refresh rate	10 Hz
Measuring range	0...10 bar
Accuracy	100 mbar
Sensitivity	0.2 mbar
IEC protection class	class III
Normal operating temperature	5...40 °C
Extended operating temperature[‡]	-5...60 °C
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x0075
Suggested enclosure	YoctoBox-Long-Thick-Black-Press
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-pressure