

LPS33HW

Water-Resistant MEMS Pressure Sensor



Outstanding Accuracy
Embedded Temperature Sensor
with Factory Calibration

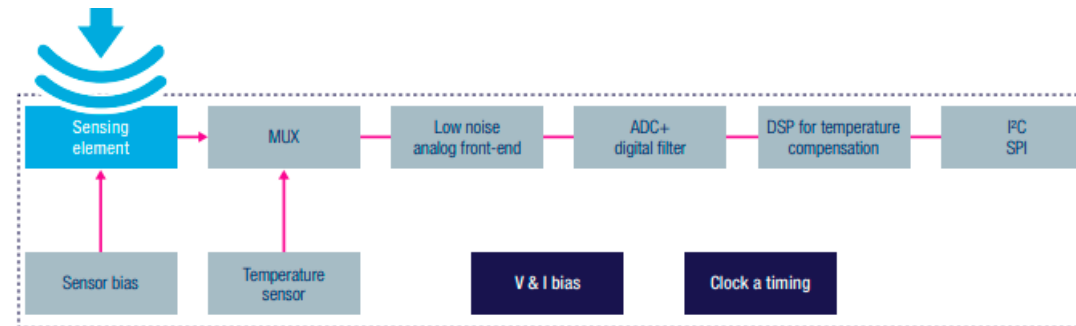
Robust Ceramic Package
with O-ring Metal Lid

Broad Applications Range:
Wearable, Consumer & Industrial

Evaluation Board and GUI Available

Water-resistant MEMS pressure sensor

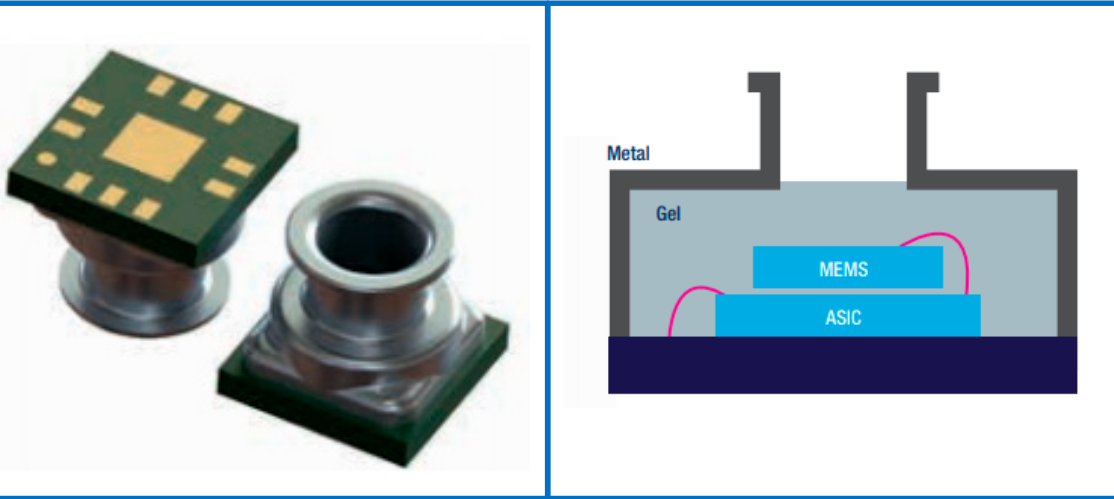
Outstanding Accuracy, Embedded Temperature Sensor with Factory Calibration



- 260 to 1260 hPa absolute pressure range
- 20x full-scale overpressure capability
- RMS pressure noise: 0.008 hPa
- Embedded temperature compensation
- Low power current consumption down to 3 μ A
- Temperature range: -40 to +85 $^{\circ}$ C
- Embedded FIFO and Interrupt functions: data ready, FIFO flags, pressure thresholds

Water-resistant MEMS pressure sensor

Water Proof Applications Enabled by Ceramic Packaging with O-ring Metal Lid



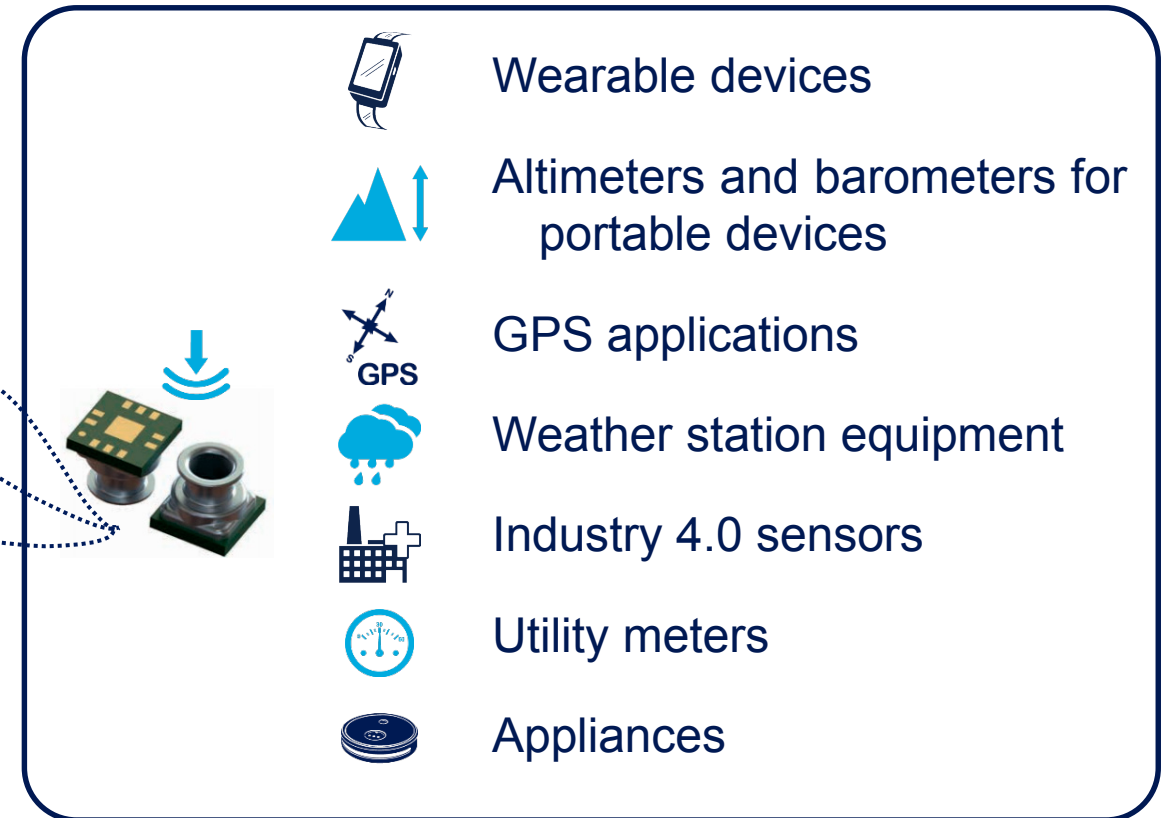
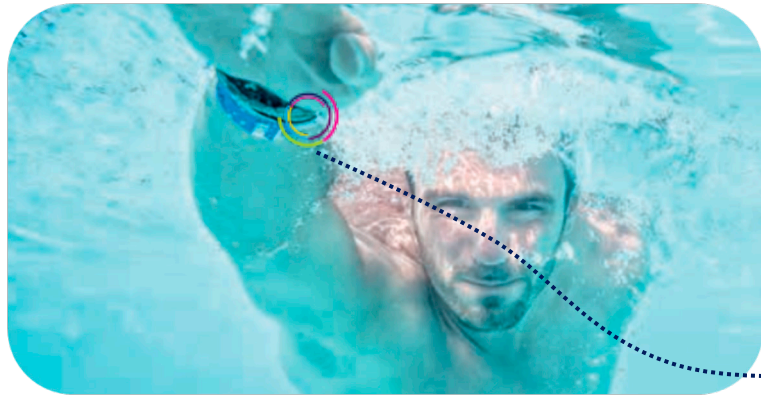
3.3 x 3.3 x 2.9 mm

- Ultra-compact piezo-resistive pressure sensor which functions as a digital output barometer
- Holed package to allow external pressure to reach the sensing element
- Gel inside the IC protects the electrical components from water
- Resistant to: chemicals like chlorine, bromine, salt water, soaps and detergents
- Water-resistant package up to 10 bar (equivalent 90 meter depth)

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Broad Applications Range

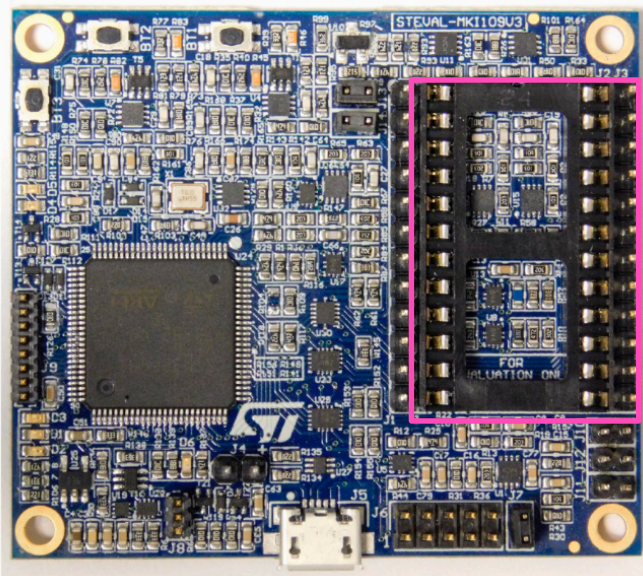


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Evaluation Board and GUI Available

STEVAL-MKI109V3

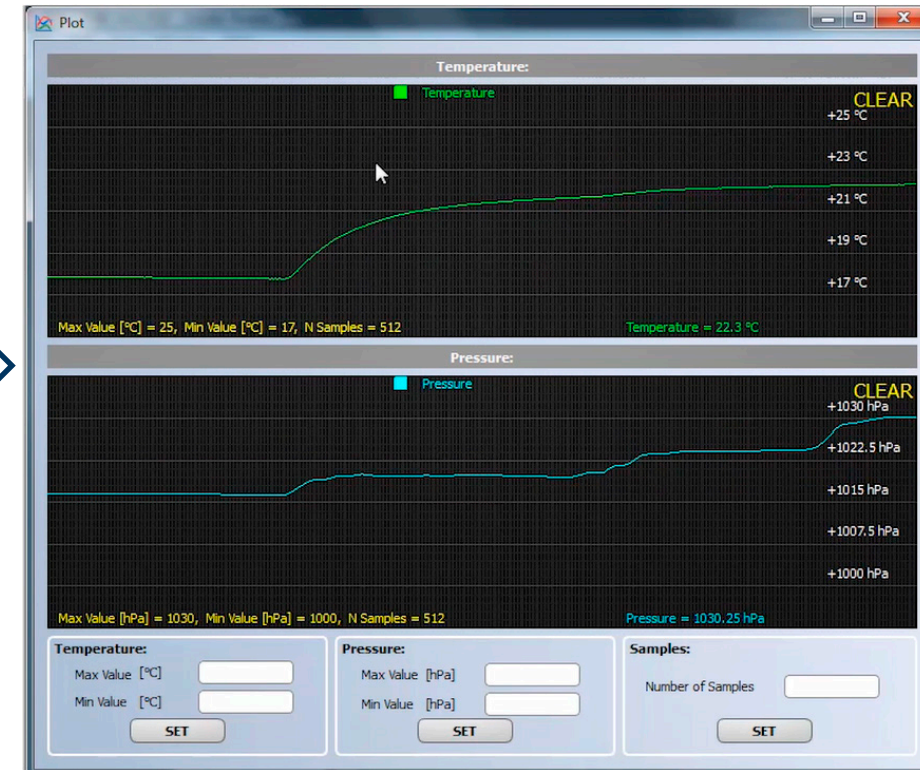


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STEVAL-MKI183V1



Unico STSW-MEMS034



Professional MEMS tool: ST MEMS adapters motherboard based on the STM32F401VET6 compatible with ST MEMS adapters

LPS33HW adapter board
standard DIL24 socket

