

MEMS Pressure Sensor Evaluation Boards

Compact evaluation boards featuring piezoresistive MEMS pressure sensors with pressure ranges from -40 kPa to 700 kPa. Our sensors are calibrated and compensated to deliver excellent linearity, high sensitivity and stability. Includes a high-resolution temperature sensor (0.003°C). Operates on a supply voltage range from 1.8V to 5.4V.

PSD0401120-EB

PSA0201700-EB

PSA071040-EB

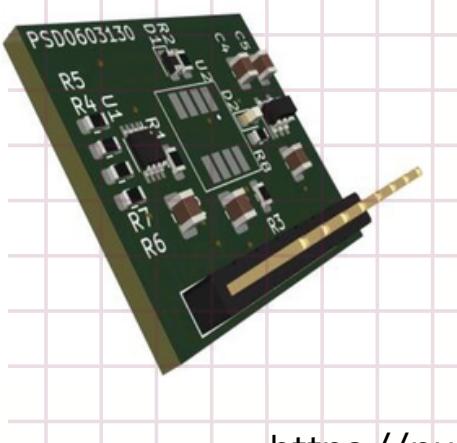
Digital

Analog

Analog

Pressure Range (kPa)	Power Supply Voltage Range (V)	Interface A= Analog Output D = Digital Output	Form Factor (mm, X, Y, Z axis)	Devices
-40 ≤ P ≤ 40	4.7 ≤ V _S ≤ 5.3	A	7.00 x 7.00 x 9.50	PSA071040
0 ≤ P ≤ 700	1.5 ≤ V _S ≤ 5.4	A	1.50 x 1.00 x 0.90	PSA0201700
30 ≤ P ≤ 200	1.8 ≤ V _S ≤ 5.0	D	6.40 x 6.20 x 3.05	PSD0603130
30 ≤ P ≤ 120	1.8 ≤ V _S ≤ 3.6	D	3.55 x 3.55 x 1.40	PSD0401120

Rugged Harsh Environment Design



Key Applications:

- Wearable medical devices
- Security break-in detection
- Mobile altimeter
- Barometers
- Pressure & Temperature monitoring systems
- Indoor Navigation Systems