

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

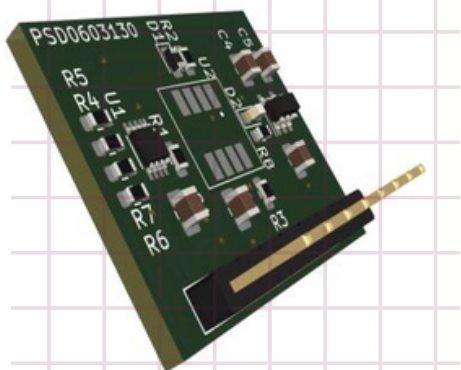
Digital

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
$-40 \leq P \leq 40$	$4.7 \leq V_s \leq 5.3$	A	7.00 x 7.00 x 9.50	PSA071040
$0 \leq P \leq 700$	$1.5 \leq V_s \leq 5.4$	A	1.50 x 1.00 x 0.90	PSA0201700
$30 \leq P \leq 200$	$1.8 \leq V_s \leq 5.0$	D	6.40 x 6.20 x 3.05	PSD0603130
$30 \leq P \leq 120$	$1.8 \leq V_s \leq 3.6$	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

<https://puiaudio.com/products/category/sensors>