

Amplified and Temperature Compensated Pressure Sensors



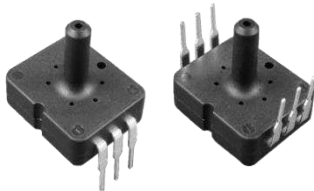
Features

- High accuracy ± 1.5 %FS
- Supply voltage 3.0, 3.3 & 5.0 Vdc
- Analog, non-digital analog & digital output
- Low power consumption 2 mA Max (AP2, 3.3Vdc)
- Custom modifications to pressure range and outputs available
- Good long-term stability and performance
- RoHS compliant

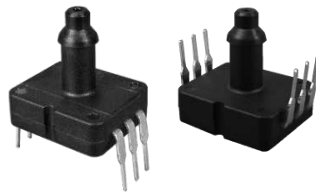
Medical Applications

- Non-invasive blood pressure monitors
(Special variants of AP3/AG3, please inquire)
- NPWT suction pumps
- DVT pneumatic pumps
- Oxygen concentrators
- Medical air beds
- Blood biochemical analysis machines
- Other pneumatic controls
- Other portable medical devices

Packages Lineup



AP Series
DIP, Smooth port



APB2 Series
DIP, Barbed port



AG Series
SMT, 3 & 6 mm port

Specifications

Item	Unit	Model								
		AP2 / AG2 / APB2			AP3 / AG3			AP4 / AG4		
Type of Output		Analog Output			Analog Output (Non-digitally Corrected) Single Point Pressure Threshold Detection			Digital Output (I ² C™)		
Supply Voltage	Vdc	3	3.3	5	3	3.3	5	3	3.3	5
Maximum Supply Current	mA	2	2	3	5	5	6	3.5	3.5	4.5
Accuracy	%FS	± 2	± 1.5	± 1.5	± 2	± 1.5	± 1.5	± 1.5	± 1.5	± 1.5
Operating Temperature	deg C	-40 ... +125			-40 ... +105			-40 ... +125		
Compensated Temperature	deg C	0 ... +85			0 ... +60			0 ... +85		
Pressure Media		Non-corrosive gases (Air and other dry gases)								

Pressure Range

Pressure Code	Absolute Max Load Pressure	Measurement Pressure Range									
		-100	-50	0	25	50	100	200	500	700	1000 kPa
		(-15)	(-7)	(3)	(7)	(15)	(30)	(70)	(100)	(150) psi	
025KG	+50 kPa										
050KG	+100 kPa										
100KG	+200 kPa										
200KG	+400 kPa										
500KG	+1 MPa										
700KG	+1.4 MPa										
001MG	+1.5 MPa										
050KV	+100 kPa										
100KV	+200 kPa										
100KW	+200 kPa										

Low Pressure & Digital Output Semiconductor Pressure Sensors

Under
development



Package



AL4
SOIC-14
Dual barbed ports

Features

- Digital output
- High accuracy ± 1.5 %FS
- Supply voltage 3.0, 3.3 & 5.0 Vdc
- High load pressure +100kPa
- Custom modifications to pressure range and outputs available
- RoHS compliant

Medical Applications

- Sleep apnea prevention devices
- CPAP machines
- Oxygen concentrators and conserving devices
- Ventilators
- Respiratory devices
- Other portable medical devices

Specifications

Item	Unit	Model AL4		
Type of Output		Digital Output (I ² C™)		
Supply Voltage	Vdc	3	3.3	5
Maximum Supply Current	mA	3.5	3.5	4.5
Accuracy	%FS	± 1.5	± 1.5	± 1.5
Operating Temperature	deg C	-40 ... +85		
Compensated Temperature	deg C	0 ... +50		
Pressure Media		Non-corrosive gases (Air and other dry gases)		

Pressure Range

Pressure Code	Abs Max Load Pressure (kPa)	Measurement Pressure Range										
		-10	-7	-4	-2	-1	0	1	2	4	7	10 kPa
		(-100)	(-70)	(-40)	(-20)	(-10)	(10)	(20)	(40)	(70)	(100) cmH ₂ O	
002KG	+100											
004KG	+100											
007KG	+100											
010KG	+100											
002KV	+100											
004KV	+100											
007KV	+100											
010KV	+100											
001KW	+100											

Who is Fujikura?



Head Office in Tokyo

Fujikura has been expanding its business in a wide spectrum of fields, including IT, electronics and electric components.

The history of Fujikura began in 1885, when Zenpachi Fujikura, the founder of the Company, produced copper wires for electronic generators through much trial and error. At the time, copper wires represented a leading-edge technology. Since the early days,

Pressure sensors are one of product lines in Fujikura's electronics business. We have supplied pressure sensors since 1982. Our products are used in various consumer, industrial and medical applications globally. To help you deliver a successful project, We are willing to:

- Listen and support the resolution of your technical challenges.
- Provide strong technical support, samples and testing.
- Supply modified & customized products to meet your most demanding needs.



We are here for you. Addresses and Contacts

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