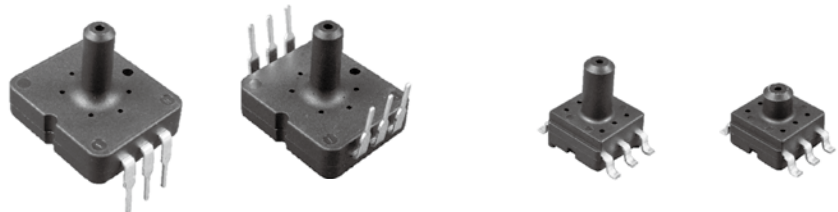


New Products

**High Accuracy
Semiconductor Pressure
Sensor Series
AP2/AG2, AP3/AG3,
AP4/AG4**

Fujikura has developed a series of new semiconductor pressure sensors. The high accuracy new products consist of a total of six models including AP2, AG2, AP3, AG3, AP4, and AG4. The products have achieved higher accuracy and lower power consumption than those of our conventional integrated pressure sensors, the XFPM/XFGM series. These features are achieved by combining a pressure sensor chip with a CMOS signal conditioning IC and using our proprietary technologies of MEMS, packaging and IC assembly. In addition, digital output models (AP4/AG4), which are currently in increasing demand, have been added to our conventional analog products. This facilitates to connect the product to a microprocessor in customer applications. The shape and configuration of pins of the new products are compatible with our conventional models so that our customers using our conventional products can upgrade them with ease.



AP series Dimensions :
14 mm x 12 mm

AG series Dimensions :
7 mm x 7 mm

Fig. Outlook of sensors.

Table. Specifications.

Series	XFPM / XFGM for reference (conventional product)	AP2 / AG2	AP3 / AG3	AP4 / AG4
Supply voltage (V)	5	3, 3.3, 5	3, 3.3, 5	3, 3.3, 5
Maximum supply current (mA)	10	3	6	4.5
Type of output	Analog	Analog	Analog (High resolution)	Digital (I ² C-Bus)
Operating temperature	-40 ~ +125	-40 ~ +125	-40 ~ +105	-40 ~ +125
Compensated temperature	0 ~ +85	0 ~ +85	0 ~ +60	0 ~ +85
Accuracy	±2.5	±1.5	±1.5	±1.5
Available pressure range (kPa)	-100 ~ 1000	-100 ~ 1000	-100 ~ 1000	-100 ~ 1000
Start of delivery	—	January, 2014	July, 2014	July, 2014

I²C-Bus is the trademark of NXP Semiconductors.

[Information]
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