

NEWS RELEASE

PR0322E

Alps Alpine Begins Mass Production and Sales of Waterproof Pressure Sensor with High Chemical Resistance

Pressure Sensor Lineup Expanded

Munich, Germany, September 8, 2022 – Alps Alpine has added to its pressure sensor lineup, starting mass production of a new waterproof pressure sensor that retains existing water resistance performance while also being highly resistant to organic constituents in gases.

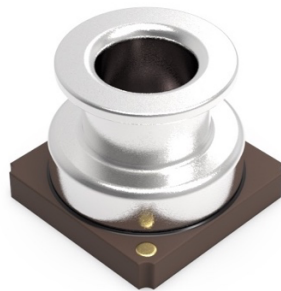
Wearable devices are among the main applications for Alps Alpine pressure sensors to date, with water resistance an important feature. Now as we look to branch into the gas meter market, our sensors need to be resistant to organic constituents in gases. The new product has high chemical resistance, achieved by redesigning the resin sensor covering. The adhesive resin between the metal lid and ceramic substrate has also been redesigned, strengthening the bond to successfully enhance shock resistance relative to the existing model. The product's shape is unchanged from the existing product and water resistance is achieved simply by setting it inside the housing with an O-ring.

Looking ahead, we expect sales to increase as we expand into a new area, the gas meter market, while also targeting applications of existing product HSPPAD143A within the wearable devices domain.

Alps Alpine develops and manufactures sensors for a wide range of applications in consumer products like smartphones through to automotive electronics. Seeking to contribute to society through our business, we will keep striving to develop products best matching the needs of customers and the market.

Product Image

HSPPAD143C



Features

- High chemical resistance
- Shock resistance
- Environmental resistance
- Easy-to-attach surface mount type
- Supply voltage: 1.7 – 3.6V
- Pressure measurement range: 300 – 2000hPa
- Current savings

Principal Applications

- Gas meters
- Wearable devices

Specifications

Model	HSPPAD143C
Dimensions	3.1 × 3.1 × 2.6mm
Operating pressure range	300 – 2000hPa
Operating temperature range	-40°C to +85°C
Supply voltage range	1.7 – 3.6V (typ. 3.0V)
Communication method	I2C

More information about this product:

<https://tech.alpsalpine.com/e/products/category/sensor/sub/04/series/hsppad-waterproof/>

Alps Alpine Co., Ltd. On January 1, 2019, Alps Electric Co., Ltd. and Alpine Electronics, Inc. integrated their businesses and started out afresh as Alps Alpine Co., Ltd with 38,471 employees. Alps Alpine will steadily bring about synergies by drawing on the two companies' advantages in core devices, system design and software development. The new company will endeavour to create its own unique value for not only the automotive market, but also mobile devices and consumer electronics, as well as new sectors such as energy, healthcare and industry. For more information please visit www.alpsalpine.com

Alps Alpine Europe GmbH, a subsidiary of Alps Alpine Co., Ltd., was established in 1979. Since 2013 the European Head Office has been located in Munich and as such co-ordinates the Sales, Marketing and Product Engineering activities of our offices in Dusseldorf, Stuttgart, Wolfsburg, Paris, Milton Keynes, Frolunda and Milan, as well as the production activities of our manufacturing site in Dortmund. Alps Electric Europe GmbH changed its name on 01.04.2020 to Alps Alpine Europe GmbH.

Contact:

ALPS ALPINE EUROPE GmbH
Phone.: +49 89 321421-0
Fax: +49 89 321421-205
Inquiry: www.alpsalpine.com/eu_info/
www.alpsalpine.com

PR Agency:

MEXPERTS AG
Peter Gramenz
Phone: +49 (0)8143 59744-00
www.mexperts.de
Press Portal: www.presseagentur.com
Contact: peter.gramenz@mexperts.de