

# All Sensors Corporation

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PRESS RELEASE  
*For Immediate Release*

## New Media Isolated Amplified Pressure Sensors

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All Sensors Corporation of Morgan Hill, California has announced a brand new offering of media isolated pressure sensors; the amplified CPA 502 Series. These new pressure sensors offer design engineers excellent performance for various aggressive media applications.

The CPA 502 Series features a ceramic pressure sensor with piezoresistive technology and flush diaphragm design. Product highlights include excellent chemical resistance and easy assembly into application specific packages.

Using thick-film technology, the measuring bridge is printed directly onto one side of the ceramic flush diaphragm. The structure-free backside can be directly exposed to the medium to be measured. Due to a high resistance to chemicals, additional protection is not necessary. On the basis of solid construction, these sensors are mostly unaffected by clamping effects after mounting. As a result, OEM customers can easily install them in different housings. The ceramic sensor has been specially designed for pasty, polluted, and aggressive media. Devices are available in 7.5, 15, 30, 75, 150, 300, 750, 1500, 3000, 6000 and 9000 PSI.

### Product Features

- Pressure ranges 7.5 to 750 PSI gauge, 15 psi to 750 PSI absolute 1500 to 9000 PSI sealed gauge
- Piezoresistive Technology
- 18mm diaphragm
- Dry Sensor — No Transfer Medium Needed
- Mechanical Robustness
- Excellent chemical resistance
- Flush Mounting Design
- Vacuum resistant

### Electrical Features

- Supply voltage 4.5 to 5.5 V<sub>DC</sub>
- Amplified output
- Ratiometric
- Total error better than 0.4% FS

### Applications

Ideal applications for this device are pneumatic, hydraulics, plant and mechanical engineering, automotive, medical, marine shipbuilding, energy, and environmental controls

### Price

Contact factory for price. Samples are available for product testing.

For additional information, please visit:  
<https://www.allsensors.com/products/cpa-502-series>

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