

High stability compact pressure transmitter

3100/3200: Designed for reliable and stable performance

Compact Design with Integral Electrical Connectors

Broad choice of outputs and
pressure ranges available from
0-100 psi to 0-30,000 psi ranges

IP67 and IP65 Rated Electrical Connections

Deutsch®, AMP, M12, Packard MetriPack, 6 pin
Mil-C (IP67) Large DIN, Mini DIN cable and
flying leads (IP65) available

All Welded Stainless Steel Wetted Parts

No internal O-rings &
seals which could leak

Various Pressure Port Options

Multiple NPT, SAE and Metric
ports available to ensure
installation flexibility

Advanced sputtered thin film technology

The 3100/3200 Series is uniquely designed for improved performance under wide operating temperatures offering <1.5% Total Error Band (TEB).

Multiple electrical connection and pressure port options

The 3100/3200 product line offers 11 electrical connectors and 17 pressure port options for flexibility to meet installation requirements. The multiple electrical connections and pressure ports enables customers with complex systems to reduce lengthy design changes.

Moisture protection reliability for indoor and outdoor applications

In addition to meeting IP65 and IP67, Gems 3100/3200 Series meets IPX9K high pressure wash downs. The industry leading IP standard reduces customer worry about moisture ingress in tough environments.

Extensive pretesting reduces engineering cost and time to market

The 3100/3200 has been extensively tested and data is available upon request to prove our capabilities to fit your application and help reduce your overall product testing. Tests include but are not limited to: shock, vibration, temperature, accuracy, salt spray and stability.

Ready to Serve Your Most Demanding Applications



Specialty Vehicle
Maintains accuracy at extreme temperatures



Agricultural
Resists moisture ingress in harsh environments



Plasma Cutting
Small footprint allows 3100/3200 to fit into limited space



Mining & Construction
Proven durability in high shock and vibration environments



Alternative Fuels
Intrinsically safe (IS), non incensive and explosion proof versions available



Fire Protection
High reliability in mission-critical service



3100/3200 SERIES

3100/3200 Series Competitive Advantages

- ✓ **Compact Design** – The 3100/3200's compact design provides maximum flexibility for equipment designers
- ✓ **Extensive Pretesting** – Proven test data available upon request
- ✓ **Thermally Stable <1.5% Total Error Band (TEB)** – High performance under a wide temperature range
- ✓ **High EMC Ratings** – To withstand noisy environments and surge resistance
- ✓ **Hazardous Location Service** – Intrinsically safe (IS), non incensive & explosion proof versions available

3100/3200 Series Options

- **Electrical Connections**
 - Industrial DIN 9.4 mm
 - 6 Pin Bendix/Mil-C
 - M12 x 1P (4-Pin)
 - Cable version
 - Large DIN
 - Industrial DIN 9.4 mm (alternate pin out)
 - Flying lead (12in/300mm)
 - Deutsch® DT04-3P
 - 1/2" NPT Male Conduit
 - Amp - Superseal 1.5 Series
 - Deutsch® DT04-4P
 - Packard MetriPack
- **Pressure Ranges:**
 - 0-100 psi to 0-30,000 psi ranges (0-7 bar to 0-2,200 bar)
- **Pressure Ports**
 - NPT, Metric and SAE ports available

See data sheet for additional options

Visit GemsSensors.com to view our full range of products.



3500 Series Low-Pressure Transducers



3600 Series Electronic Pressure Switch



PS61 Subminiature Pressure Switches



1200 Series/1600 Series OEM Transducers