

# High stability pressure transmitter that stands up to high overpressure, shock and vibration.

*1200 Series /1600 Series: Designed for reliable and stable performance*



## Advanced CVD technology

The 1200/1600 Series sensor is uniquely designed for improved performance under wide operating temperatures offering 0.5% Accuracy and 2.0 % thermal error over Full Scale (Typical).

## Modular design offers multiple electrical connection and pressure port options

The 1200/ 1600 product line offers eight electrical connectors and 11 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 IP30 and IP65, Gems 1200/ 1600 Series meets IP67 for outdoor use reducing customer worry about moisture ingress in tough environments.

## Extensive pretesting reduces engineering cost and time to market

The 1200/1600 Series has been extensively tested and data is available upon request to prove our capabilities to fit your application including but not limited to shock, vibration, temperature, accuracy, salt spray, response time, and stability to reduce your overall product testing.

# Ready to Serve Your Most Demanding Applications



### Railway

High Isolation and EMC Capability to ensure clean un-interrupted output signals.

## 1200 SERIES & 1600 SERIES PRESSURE TRANSMITTERS



### Municipal Safety

IP67 Protection to withstand harsh environments.



### Military Vehicle

Proven reliability and durability in high shock and vibration for mission critical applications.



### Power Transformer

Maintains performance under high temperature conditions.



### Fire Protection

4X over pressure rating to handle inadvertent water hammer affects.

## 1200/1600 Competitive Advantages

- ✔ **Module Design** – The 1200/1600's module design provides maximum flexibility for equipment designers
- ✔ **Extensive Performance Testing** – Proven test data available upon request
- ✔ **Thermally Stable 2% Thermal Error Band (TEB)** – High performance under wide temperature
- ✔ **High EMC Ratings** – To withstand noisy environments and surge resistance
- ✔ **High Over-Pressure Protection** – Thicker diaphragm construction enables the 1200/1600 to withstand pressure spikes

## 1200/1600 Options

- ✔ **Pressure Ranges:**
  - Vacuum thru 0-15 psi to 0-6,000 psi ranges (0-1 bar to 0-400 bar)
- ✔ **Electrical Connections:**

<b>1200 Series:</b>	<b>1600 Series:</b>
• Mini Din w/ mate	• 10-6 Mil C Connector
• Mini Din w/out mate	• 8-4 Mil C Connector
• IP67 Weatherproof cable gland	• Large DIN 43650 Plug
• NEMA 4 Cable	• Conduit connector w/ 1 meter leads
- ✔ **Pressure Ports:**
  - NPT, SAE and European thread ports available

*See data sheet for additional options*

Visit [GemsSensors.com](http://GemsSensors.com) to view our full range of liquid level sensing products



2200/ 2600 Series



3500 Series



3600 Series



PS-61



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