

# High Stability Compact Pressure Transducer

*1100 Series: Designed for reliable and stable performance*

## Compact Design with Integral Electrical Connectors

Voltage outputs and pressure ranges available from 0-150 PSI to 0-10,000 PSI (0-10 Bar to 0-700 Bar)

## All Welded Stainless Steel Housing and Wetted Parts

No internal O-rings & seals which could leak



## IP67 Rated Electrical Connections.

Deutsch®, AMP, Packard MetriPack and Mini DIN available



## Various Pressure Port Options

Multiple NPT, SAE and Metric ports available with or without restrictors to ensure installation flexibility

## High Thermal Stability to ensure consistent performance.

The 1100 Series is uniquely designed to maintain high performance under wide operating temperatures offering <1.5% Total Error Band (TEB).

## Popular Industry electrical connections and pressure port options.

The 1100 Series product line offers 5 common electrical connectors and 8 pressure port options for flexibility to meet customer installation requirements.

## Moisture protection reliability for indoor and outdoor applications

Gems 1100 Series reliably meets IP67 ingress protection. The industry leading IP standard reduces customer worry about moisture ingress in tough environments.

## Extensive pretesting reduces engineering cost and time to market

The 1100 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.



**1100 SERIES**

# Ready to Serve Your Most Demanding Applications



## Material Handling

Maintains accuracy over millions of pressure cycles



## HVAC&R

All welded hermetically sealed stainless steel wetted parts



## Power Generation

High over pressure protection to maintain performance



## Machine Tool

Small footprint allows 1100 to fit into limited space



## Agriculture, Mining & Construction

Proven moisture resistance and durability in high shock and vibration environments



## Medical Gas Delivery

High reliability in mission-critical service

## 1100 Series Competitive Advantages

- ✓ **Compact Design** – The 1100'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
- ✓ **Harsh Environment Service** – IP67 rated with high shock and vibration resistance

## 1100 Series Options

- ✓ **Electrical Conductions**
  - Industrial DIN 9.4 mm
  - Deutsch® DT04-3P
  - Deutsch® DT04-4P
  - Amp - Superseal 1.5 Series
  - Packard MetriPack
- ✓ **Pressure Ranges**
  - 0-150 PSI to 0-10,000 PSI ranges (0-10 bar to 0-700 bar)
- ✓ **Pressure Ports**
  - NPT, Metric and SAE ports available

*\*See 1100 Series Data Sheet for further specifications*

Visit [gemssensors.com](http://gemssensors.com) to view our full range of products



**3500 Series Electronic Pressure Switch**



**3600 Series Electronic Pressure Switch**



**PS61 Subminiature Pressure Switches**



**3100/3200 Series Pressure Transducers**