

GE Sensing

Multi-disciplined engineering teams are experienced in the use of hybrids, ASICs, microprocessors and surface mount technology. Together with packaging design and other facets of engineering, the Druck product line provides a complete solution for the world of pressure measurement.

1000 Series Concept

This flexible product is aimed at OEM manufacturers that require a high quality, cost effective pressure sensor, designed to meet their own specific application requirements at an economical cost. It is manufactured in high volumes using a standard "core" principle, which readily enables variation of the final product configuration.

Flexibility for All Applications

Using just a few established core sensor elements, a comprehensive range of customized sensors has been established to meet a wide spectrum of industrial applications. In excess of 2,000 individual configurations are available. Whatever sensor configuration or enhancement you may require, the 1000 Series provides a cost effective solution.

Build Quality

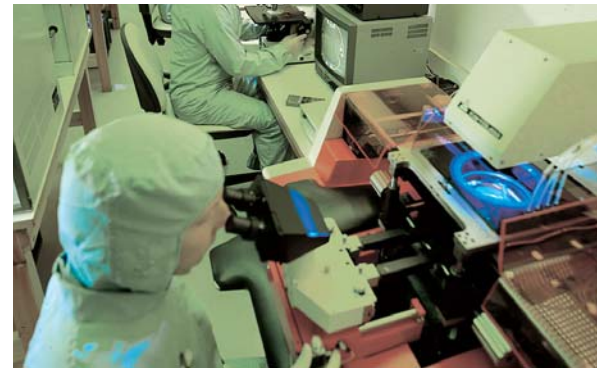
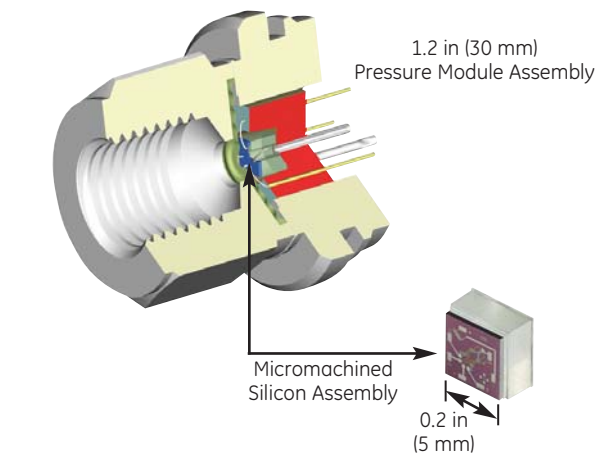
GE is committed to producing the highest quality products. This commitment extends from initial concept and development through to manufacturing, testing and dispatch.

GE is approved to the highest international quality standards, including ISO 9001 and many industry-specific standards. It is also approved by many companies who apply their own specific, detailed QA requirements.

In addition, UKAS-accredited GE laboratories provide traceability to International Standards for pressure, electrical and temperature measurements.

Product Selection

Please visit our website, www.gesensing.com, for additional information on our customization capabilities or simply contact us and we will be pleased to arrange for a specialist engineer to personally discuss your detailed requirements at your convenience.



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GE Sensing

Features

- High performance, economical solution
- Flexible mechanical configuration
- Ranges 1 to 10,000 psi (70 mbar to 700 bar)
- Accuracy up to 0.15%
- Performance optimization
- Customized branding

Total Capability for a World of Pressure

High Performance Technologies

GE Sensing specializes in the design and manufacture of high performance pressure sensors for a wide range of industries and applications, using proven micromachined silicon and related technologies.

GE has its own comprehensive and technologically advanced silicon processing facility. It is one of only a few companies worldwide converting raw silicon into finished products, using techniques such as advanced micromachining. This ensures high sensor performance.

1000 Series Druck OEM Customized Pressure Sensor Product Guide

The 1000 Series is a Druck product. Druck has joined other GE high-technology sensing businesses under a new name—GE Sensing.



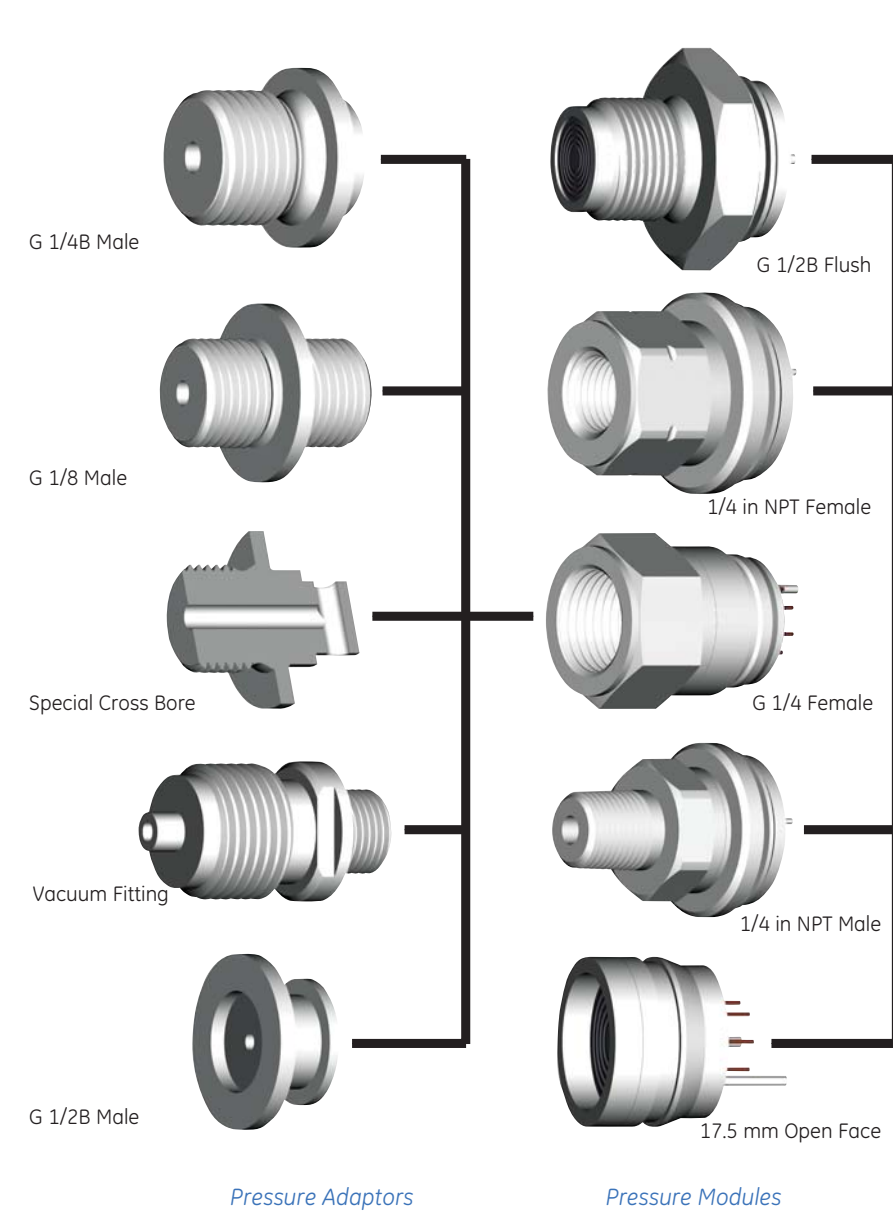
www.gesensing.com

Pressure Adaptors

- Flexible thread configuration
- Screw in with bonded seal
- Push fit and welded direct connection
- Selection of materials available
- Eliminate costly adaptors
- Reduce media leak potential
- Limit sensor length
- Minimize internal volume

Pressure Modules

- Absolute, gauge and differential measurement
- FS ranges from 1 to 10,000 psi (70 mbar to 700 bar)
- Any pressure scale available
- Hastelloy C276/316L stainless steel or titanium wetted parts
- Wide range of media compatibility
- No 'O' ring sealing material
- High overpressure capability
- Open face pressure connections
- Excellent long term stability

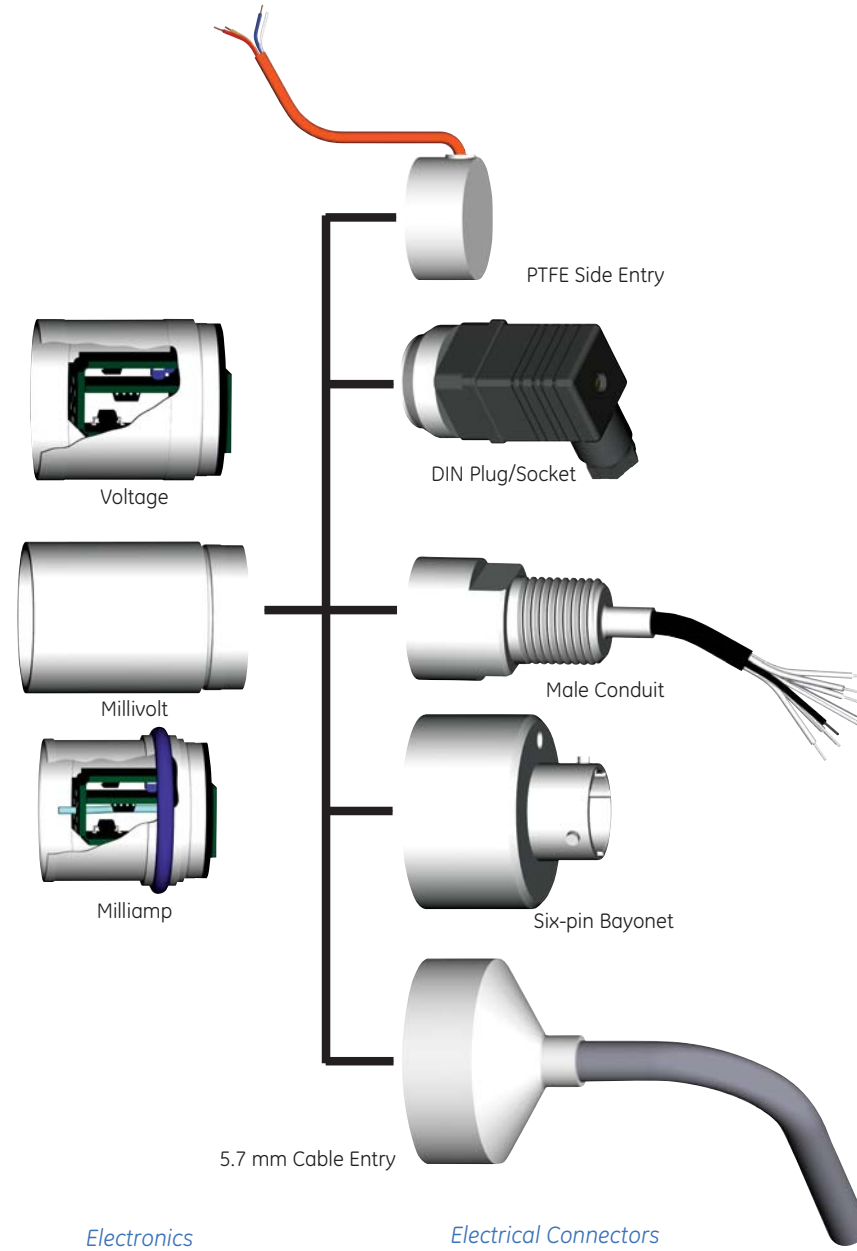


Electronics

- Millivolt 0.68 in (17.5 mm) diameter
- Voltage and milliamp 1.18 (30 mm) diameter
- Ambient temperature rated from -40°F to 194°F (-40°C to 90°C)
- Zero/span potentiometer available with side or end access
- Welded or push fit body tube sealing
- Hazardous area approved
- Output signal to match application requirements
- Hermetic sealing up to IP68 for harsh environments
- Encapsulated electronics for good shock/vibration performance
- Digital characterization for ultra high performance

Electrical Connectors

- Mini/standard DIN plug/socket
- 0.22 in (5.7mm) cable entry
- PTFE high temperature cable
- 1/2 in NPT male conduit
- Six-pin bayonet plug
- Customized connections
- Excellent strain relief
- Electrical connection to match application requirements
- Flexible cable lengths



1000 Series Specifications

Related Products

- Industrial Pressure Sensor: PTX/PMP 1200, PTX/PMP 1400 Series
- Pressure Transmitter: PTX 7500 Series
- Differential Pressure Sensors: LP Series, PDCR/PTX 2100 Series
- Low Pressure Transmitter: LPX Series
- High Performance Pressure Sensor PDCR/PMP 4000 Series, PTX/PMP 317 Series
- Slimline Process Transmitter PTX 7800 Series
- Level Pressure Transmitter PTX 1830 Series
- Rugged Low Cost Test Tools
- Rugged Portable Calibrators
- Digital Process Indicators
- Explosion-proof or Flameproof: PTX7800/7900, PTX/PMP 1240, RTX 1000