

# High Purity Products

## Model 1535

### HIGH PURITY PRESSURE GAUGES

#### Application

Model 1535 pressure gauges are designed and manufactured for ultra-high purity gas distribution equipment commonly used in semiconductor manufacturing. The Model 1535 is an all stainless steel gauge that is clean room produced, nitrogen purged, and double bagged in 3 mil nylon and 6 mil poly bags. This gauge is compatible with many toxic and corrosive gases. A welded face seal connection provides a threadless pressure seal and virtually eliminates a typical contamination source. The Model 1535 is available in NPT, FVCR, MVCR, and MVCRF connections.

#### Features

- 316L SS seamless bourdon tube with welded joints for heavy duty service
- Assembled and packaged in class 100 clean room
- Wetted surfaces are electropolished
- Available with low mount or center back connections
- Exceeds ANSI B40.1 specifications
- Helium leak tested
- 10 Ra surface finish



## Model HPT-100

### HIGH PURITY PRESSURE TRANSMITTERS

#### Application

The HPT-100 is a series of pressure transmitters specifically designed to meet the ultra-high purity requirements of the semiconductor industry. Because these units are typically used in applications measuring highly reactive and/or toxic materials, our manufacturing tolerances and operating specifications are very stringent. The HPT-100 Series transmitters are small in size and eliminate the need for bulky mounting hardware. These ultra-high purity transmitters are packaged in a Class 100 clean room and are double-bagged in a clean, dry, nitrogen environment to maintain the UHP condition.

#### Features

- Available in a flow-through and single-ended models
- NEMA 4x rated
- Ideal for outdoor installations
- CE marked per EMC directive: 89/336/EEC
- Wetted surfaces are reduced sulphur 316L SS and Hastelloy C22
- 7-10 Ra surface finish



## Model IPS-200

### HIGH PURITY GAUGES/SWITCHES

#### Application

The AMETEK Model IPS-200 switch gauge was specially designed for use with gas handling equipment in the semiconductor manufacturing industry. Specific applications include coaxial monitoring, low cylinder pressure alarm or high delivery pressure due to regulator drift. Class 100 clean room assembled. Available in a single setpoint version.

#### Features

- Magnetic reed switch offers factory selectable switch action (High Alarm, Low Alarm)
- No switch input power required
- Various ranges from 30" Hg VAC to 4000 PSI, single or dual scale
- Available in low mount and center-back mount configuration
- Available with face seal fittings, tube stub or NPT connections
- Switch setpoint adjustments accessible from front of monitor
- Switch setting may be adjusted on or off-line
- Electropolished face seal, gland and socket with less than 10 Ra surface finish

