Model 730 Absolute Capacitance Manometer

Available in Standard Torr, kPa and mbar Vacuum Ranges



Setra's low cost, compact Model 730 is designed for Semi-conductor, Petrochemical/Pharmaceutical/Process and Industrial Vacuum Markets. The 730's new high frequency electronics design is fully RoHS compliant and yields extremely low noise, while maintaining the fast response time required for today's critical control applications. External noise rejecton, fast warm-up, resistance to environmental effects, and quick return to zero are unmatched by competing models costing twice as much.

The 730 employs a welded, all Inconel® wetted parts sensor for compatibility with virtually all process chemistries. This field proven, rigid mount, single electrode sensor provides high over-pressure capability and exceptional long-term stability. The tensioned diaphragm provides low hysteresis, high resolution, and repeatability.

The Model 730 offers 0 to 5 VDC or 0 to 10 VDC output that is linear with pressure and independent of gas composition. A wide dynamic measuring range is insured through Percent of Reading accuracy (\pm 0.5% standard and \pm 0.25% optional) and negligible temperature coefficients across its 0 to 50 degree C compensated range. Temperature coefficients of \pm 0.25% FS/50°C on zero and \pm .1.35% of Reading/50°C on span are standard.

Offered in a variety of full scale pressure ranges from 10 torr up to 1000 Torr, the Model 730 accepts 12 to 30 VDC power and can be configured with a 9 or 15 pin D-Sub or 5 pin terminal strip electrical connection, all with "plug and play" industry standard pinouts. A variety of vacuum fittings are also available.

Applications

- Semiconductor
 - Process Chambers
 - Load Locks
 - Water Handlers
 - Scrubbers
- Petrochemical
- Pharmaceutical
- Absorption Chillers
- Lasers
- Autoclaves
- Vacuum Packaging
- Freeze Drying
- Vacuum Distillation

Features

- Wide Compensated Operating Temperature
- Extremely Low Noise
- Insensitive to Environmental Changes
- (€ Mark Compliant
- **EU RoHS Compliant**

When it comes to a product to rely on - choose the Model 730. When it comes to a company to trust - choose Setra.

> 9001: 2008 Certified Visit Setra Online: http://www.setra.com



Inconel[®] is a registered trademark of Special Metals, Inc. Huntington, WV, USA. NOTE: Setra quality standards are based on ANSI-Z540-1. The calibration of this product is NIST traceable.

U.S. Patent nos. 5442962 Other patents pending.

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While we provide application assistance on all Setra products, both personally and through our literature, it is the customer's responsibility to determine the suitability of the product in the application.

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