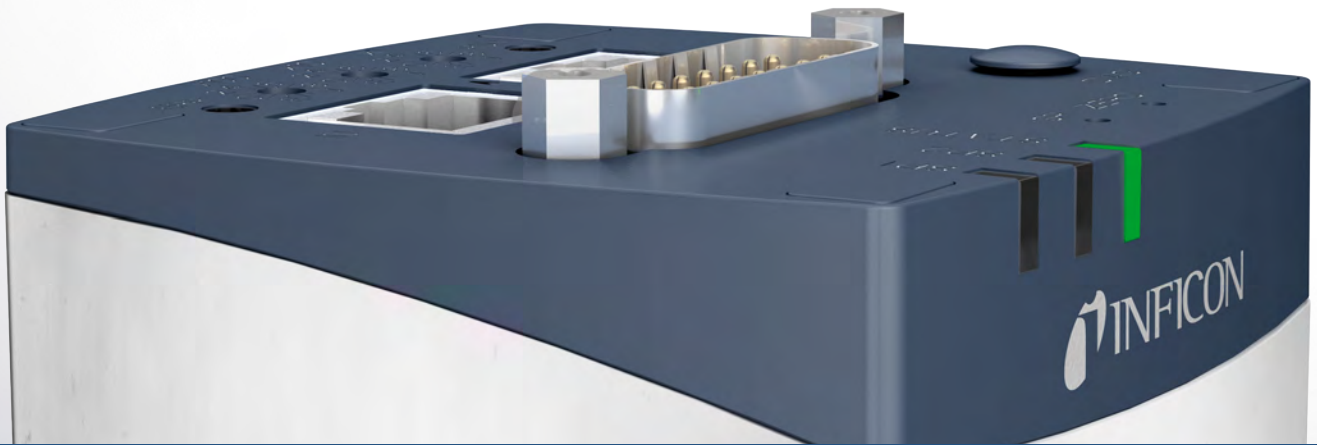




Visionary Sensor Technology



Edge™

CDG045D2 and CDG100D2
High Precision Vacuum Gauge

Hot Inside – Small Outside

Edge CDG045D2 and CDG100D2 Vacuum Gauges



INFICON Edge Capacitance Diaphragm Gauge is a highly accurate vacuum measurement instrument designed for harsh manufacturing environments. The proven temperature controlled, corrosion resistant, ultra-pure ceramic sensor provides superior span stability over many years paired with state-of-the-art zero stability. Edge comes with the INFICON patented unique sensor shield which protects the gauge from undesired process by-products.

Advanced electronics offer a wide range of configurable signal conditioning for all applications and optional EtherCAT fieldbus interface.

The innovative heating concept enables a cool to the touch surface and saves valuable tool space. INFICON Edge is the smallest vacuum measurement instrument of its kind.

Typical applications

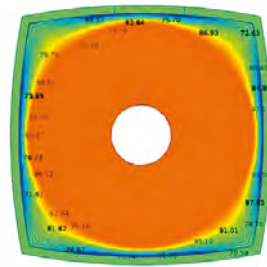
- CVD, Etch, PVD
- Analytical applications
- General high temperature vacuum applications

Fully ceramic sensor

Bonded ceramic structure combined with digital signal processing provides superior measurement performance.

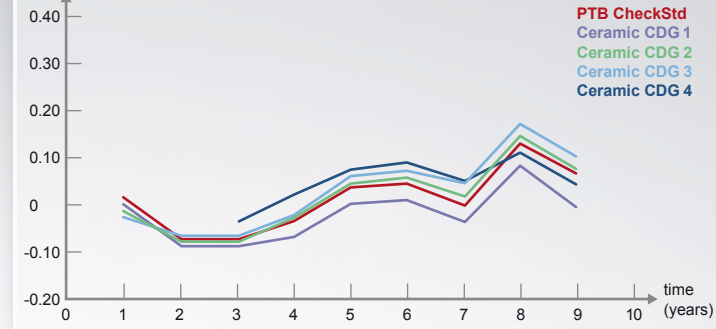


Air insulation

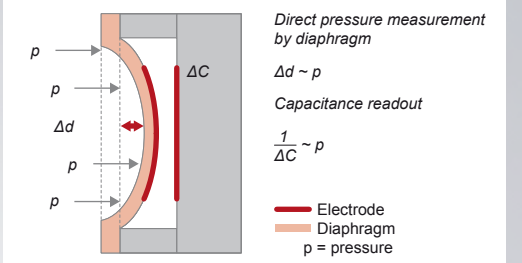


- Temperature controlled at $\pm 0.1^\circ\text{C}$
- Fast warm up
- Insulated to changing ambient

Outstanding stability



CDG working principle

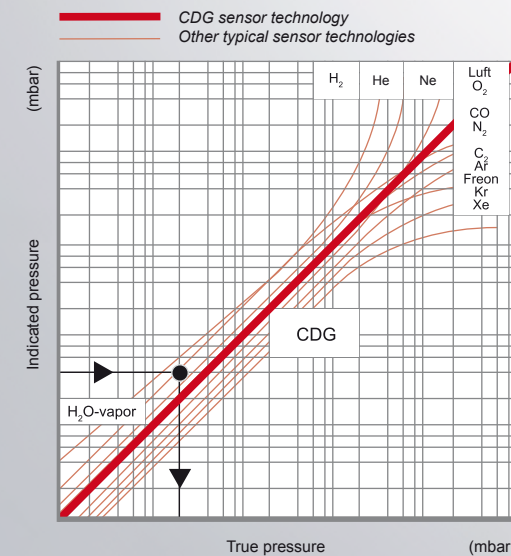


Span stability

Any mounting orientation



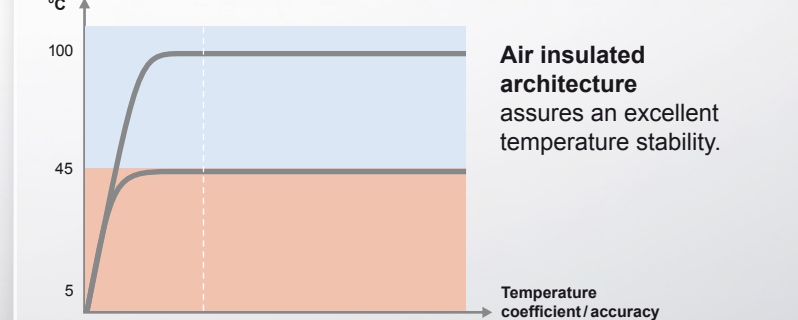
Gas type independence



Gauge protection for increased lifetime

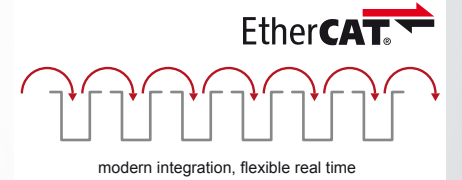
Level 1	Baffle Stops coating, particles
Level 2	Heater Prevents condensation / deposition
Level 3	Shield Protects diaphragm
Level 4	Protective coating Corrosion protection

Temperature ramp / stability

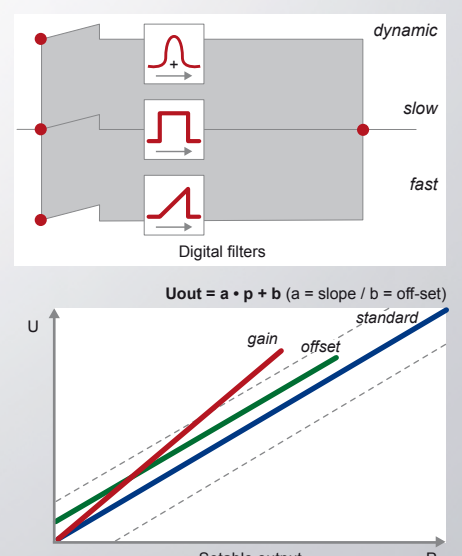


Interface I/O

- Classic analog signal 0 ... 10V
- Wide range power supply
- Zero adjust, push button / remote DI
- 2 individual setpoints
- Status LED
- Diagnostic port
- Fieldbus: EtherCAT



Digital signal processing

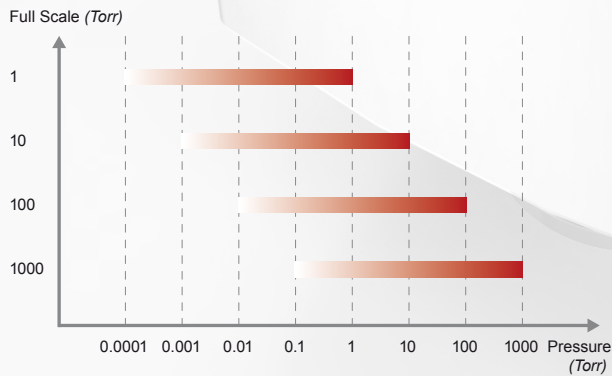


EDGE ADVANTAGES AT A GLANCE

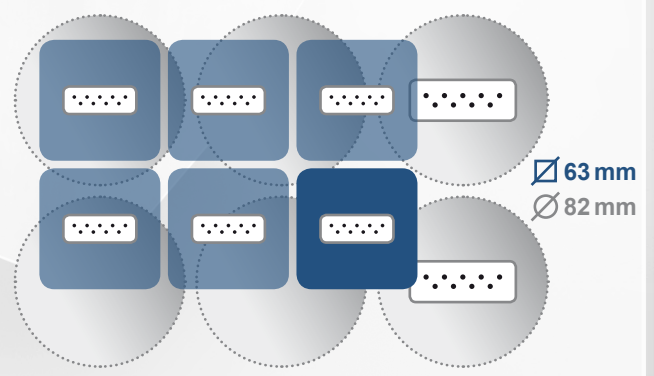
- Low tool space required – Smallest instrument in class
- Flexible integration – EtherCAT fieldbus
- Long lifetime – Proven ceramic sensor
- Forget recalibration – 90 ppm/year full scale stability



Measurement ranges



Space-saving design



EXCELLENT CUSTOMER SUPPORT IS A COMMITMENT

INFICON provides a global network of sales and service centers. These centers are staffed with local service and application experts who can assist you in choosing the best solution for your individual product application and provide fast support if service is needed.



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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