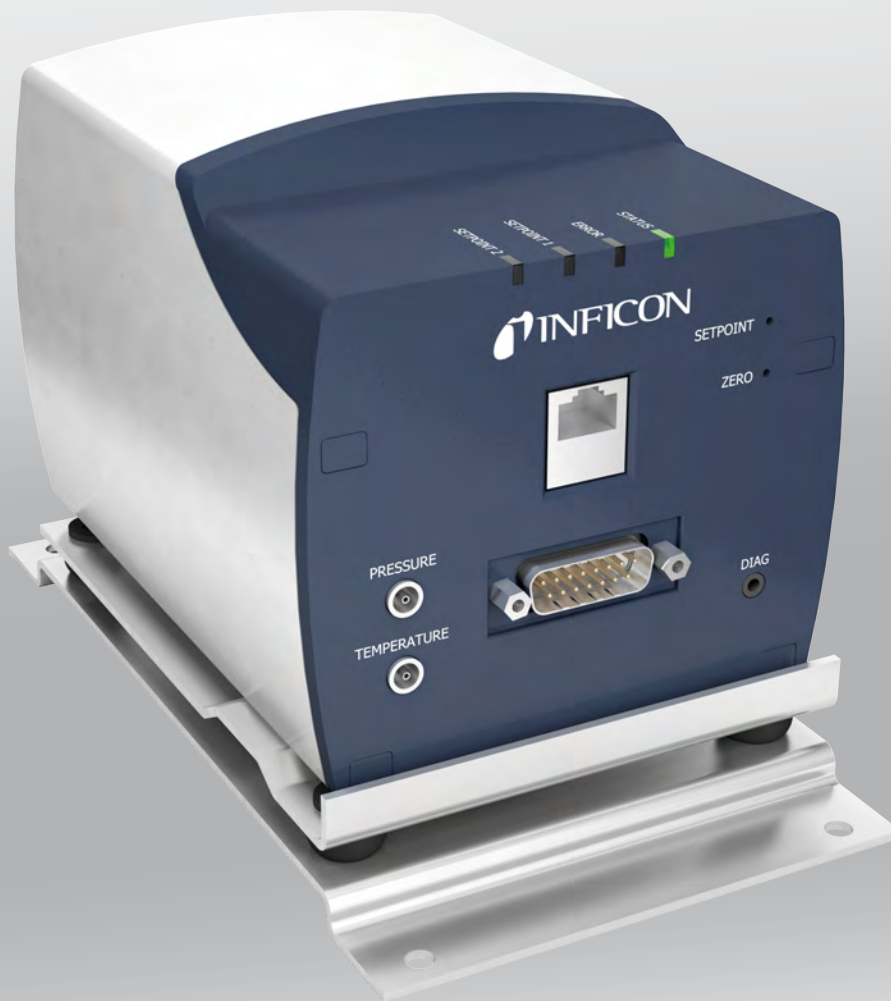


Cube™

The Reference

CDGsci High Precision
Vacuum Measurement Instrument

Cube CDGsci Vacuum Measurement Instrument



The high end INFICON Cube Capacitance Diaphragm Instrument is the most accurate ($\leq 0.025\%$ Rd accuracy; ≤ 50 ppm FS Repeatability) and most stable vacuum gauge available (< 5 ppm FS/ $^{\circ}\text{C}$ temperature stability; < 70 ppm FS/year long term stability).

Cube is designed as a pure reference device to standardize vacuum measurement systems and is the only choice for vacuum research applications. The proven INFICON temperature controlled, corrosion resistant ultrapure ceramic sensor is the heart of the Cube's outstanding performance.

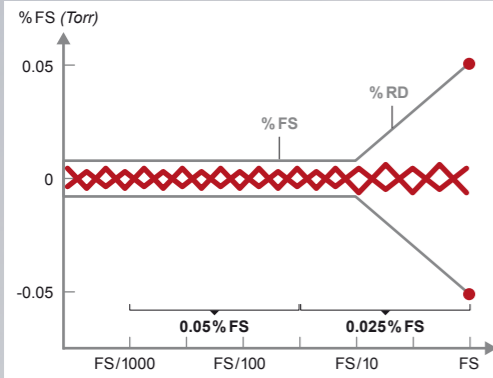
Cube sets new standards in modern communication and user flexibility with a 20 Bit analog output and RS232-C, TCP/IP and HTML digital output connected through wireless or wired Ethernet interface.

Each device comes with a quality assurance certificate, hand-signed by the Cube's leading product researchers. Delivery in a reusable hard shell suit case for storage or shipment to calibration laboratories underlines its professionalism.

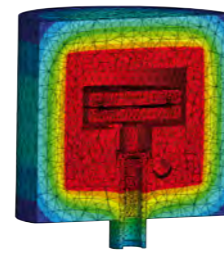
Typical applications

- Transfer standard
- Research
- Main reference gauge
- In-house standard

Measurement accuracy

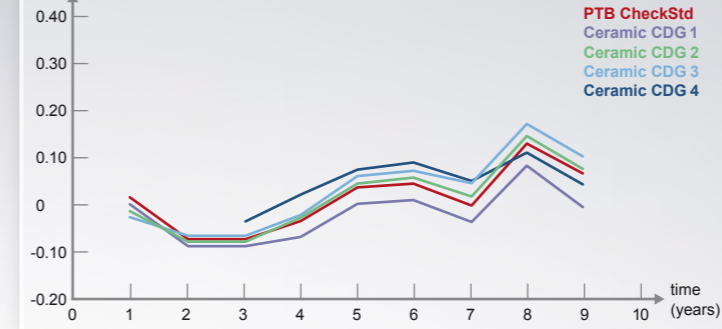


Temperature control

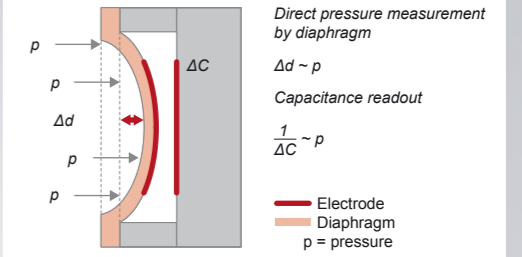


- Temperature controlled at $\pm 0.1^\circ\text{C}$
- Fast warm up
- Immune to ambient environment

Outstanding stability

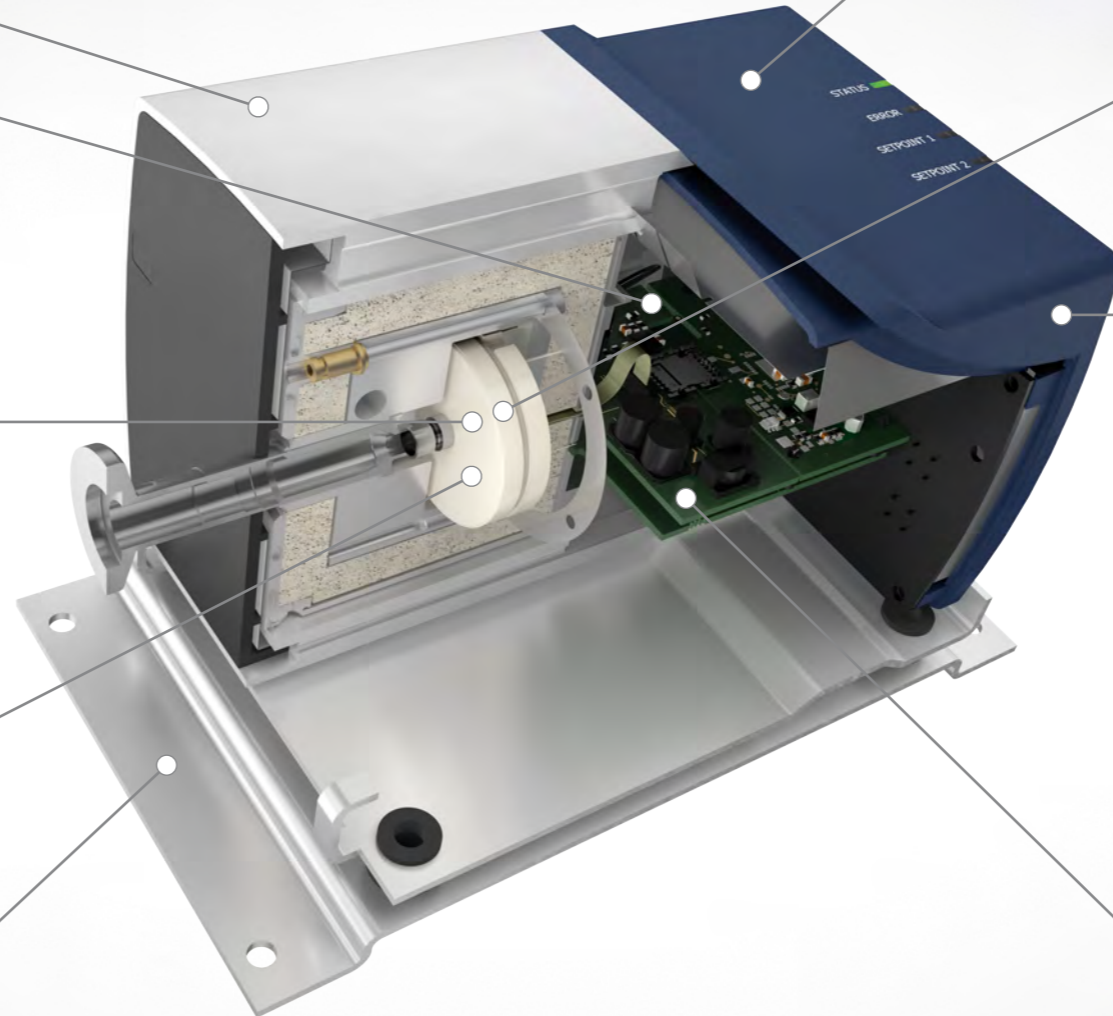


CDG working principle



Fully ceramic sensor

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



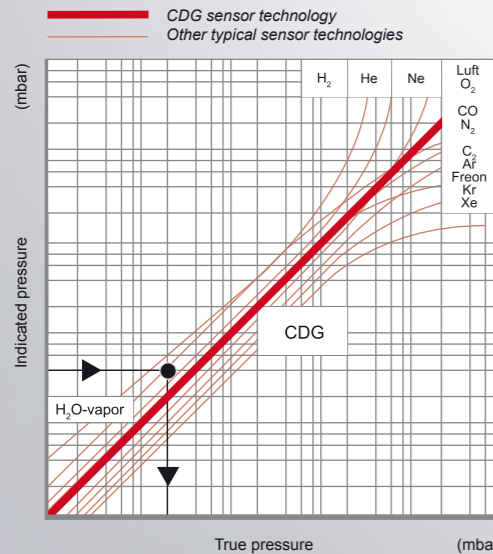
I/O Interfaces



Features

20 bit D/A	WiFi	WS Web Server
RS 232	Windows CE	RS Rest Services
LabVIEW	ARM3 Processor	HTML

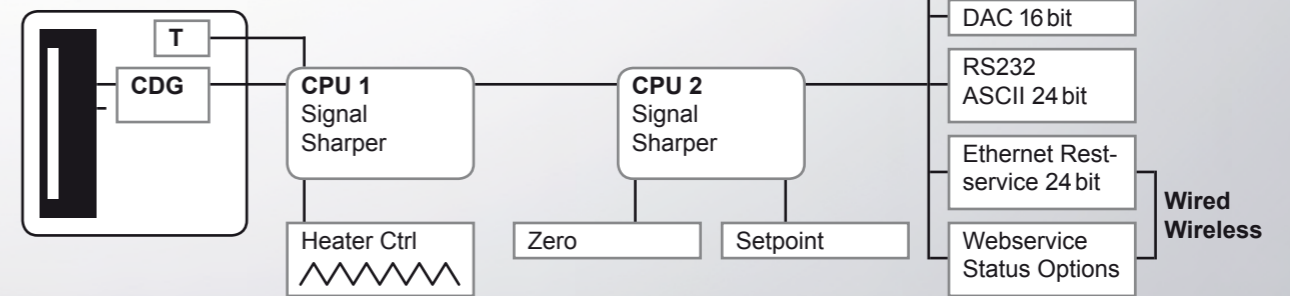
Gas type independence



Vibration isolation



All in Cube

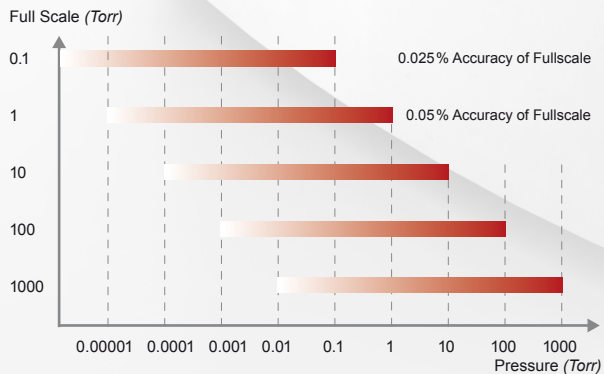


CUBE ADVANTAGES AT A GLANCE

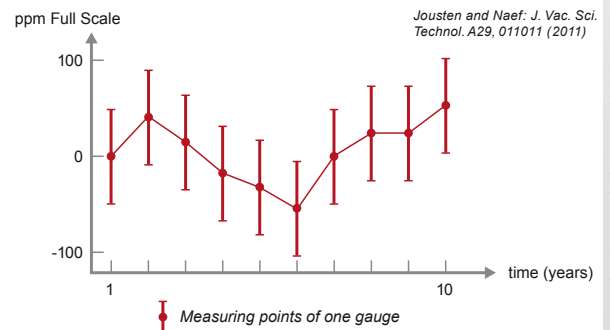
- True high precision pressure measurement – Ceramic technology
- Full stable output – Proven by PTB
- Flexible communication – Various modern interfaces
- All functions integrated – No controller required
- Direct mounting to chamber – Optimized center of gravity
- Transportation without isolation valve possible



Measurement ranges



Stability-Long Term



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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