



Cube[®] The Reference.

CDGsci High Precision.
Vacuum Measurement Instrument.

 **INFICON**
Inspired by visions. Proven by success.

Cube[®] CDGsci High Precision.

The high-end INFICON Cube Capacitance Diaphragm Gauge 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.

TYPICAL APPLICATIONS

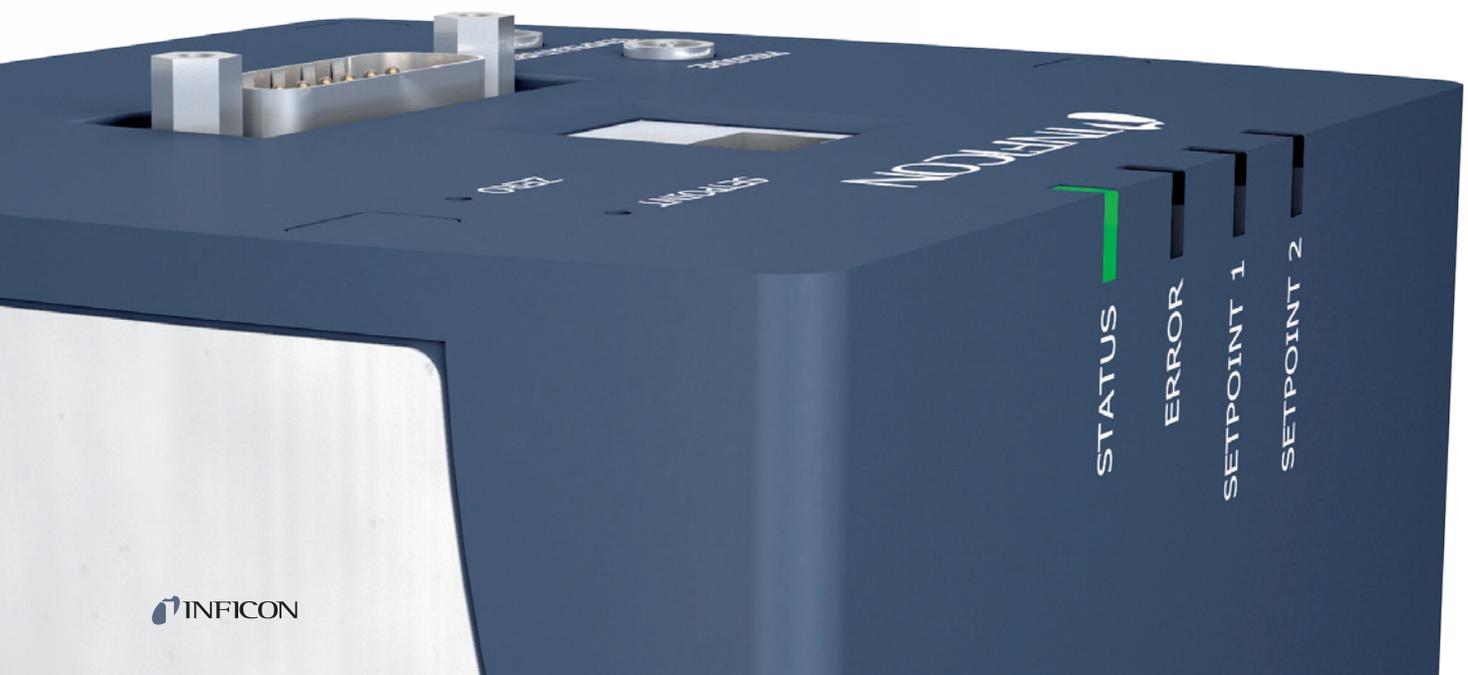
- Transfer standard
- Research
- Main reference gauge
- In-house standard

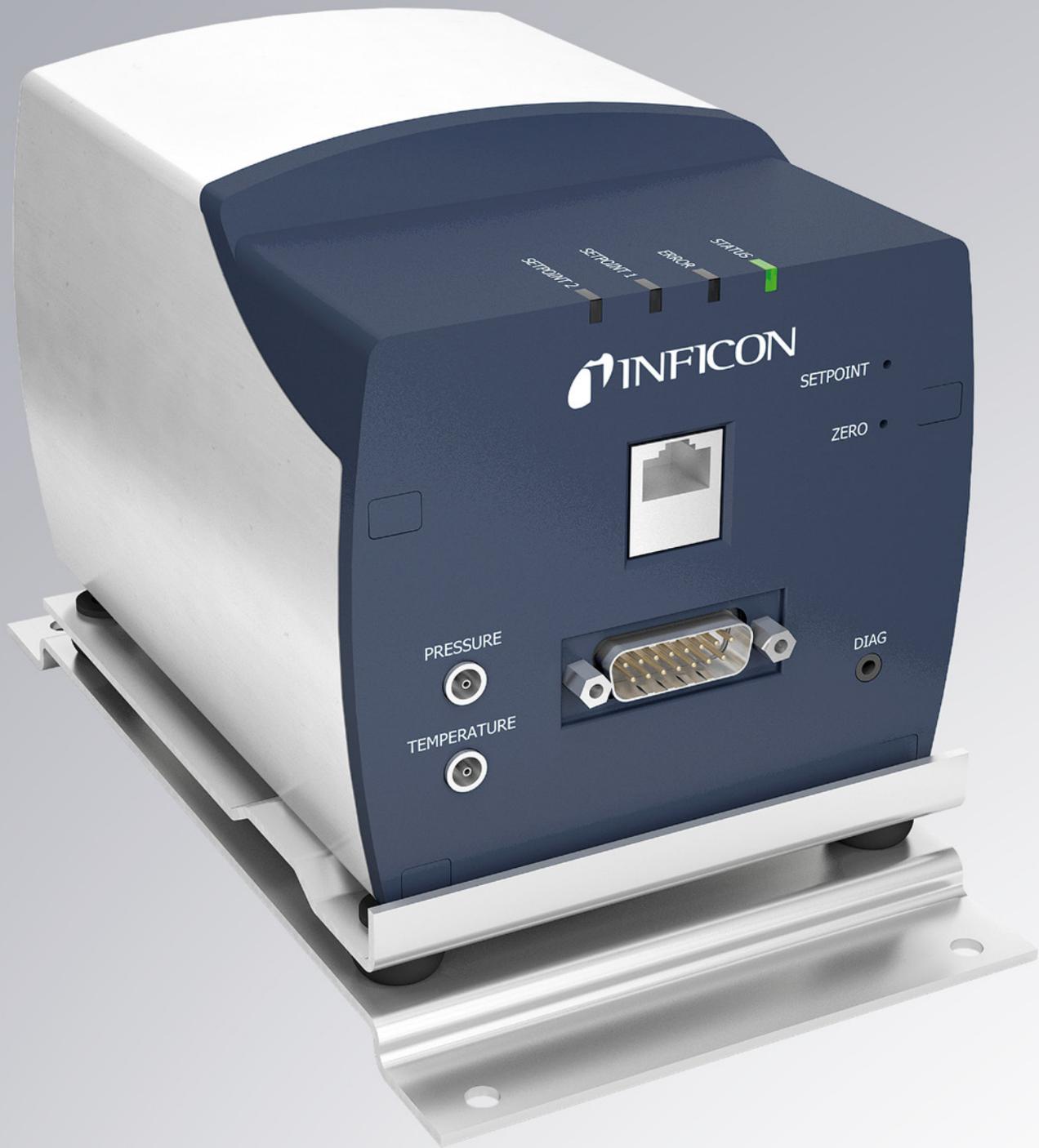
ADVANTAGES AT A GLANCE

- 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

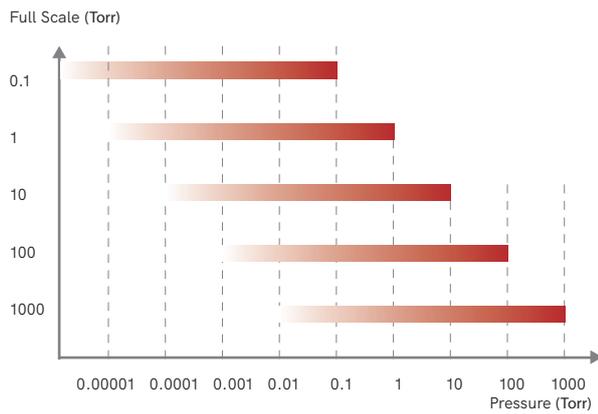
Cube sets new standards in modern communication and user flexibility with a 20 Bit analog output and RS232-C, TCP/IP and HTML digital output connected through wireless or wired Ethernet interface.

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.

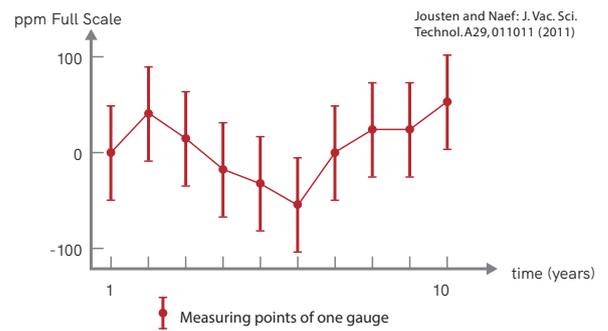




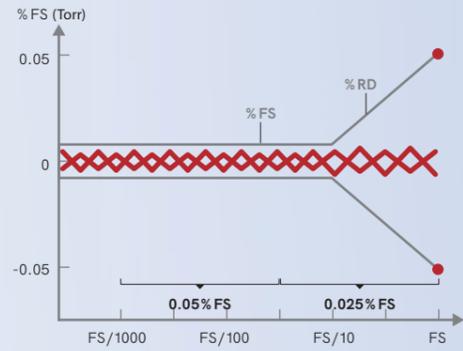
Measurement ranges



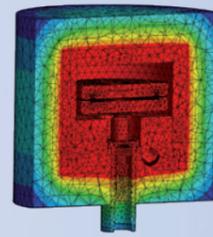
Stability-Long Term



Measurement accuracy

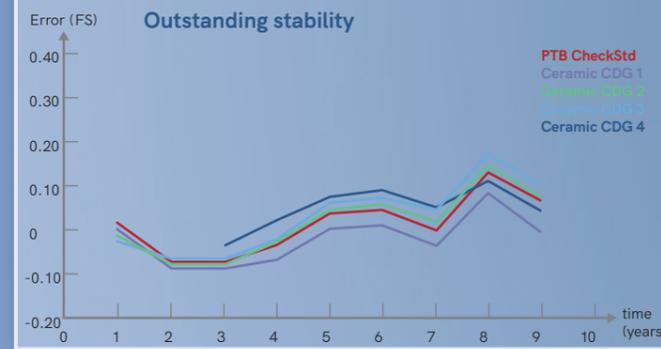


Temperature control

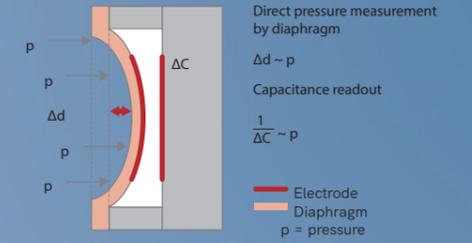


- Temperature controlled at $\pm 0.1^\circ\text{C}$
- Fast warm up
- Immune to ambient environment

Outstanding stability

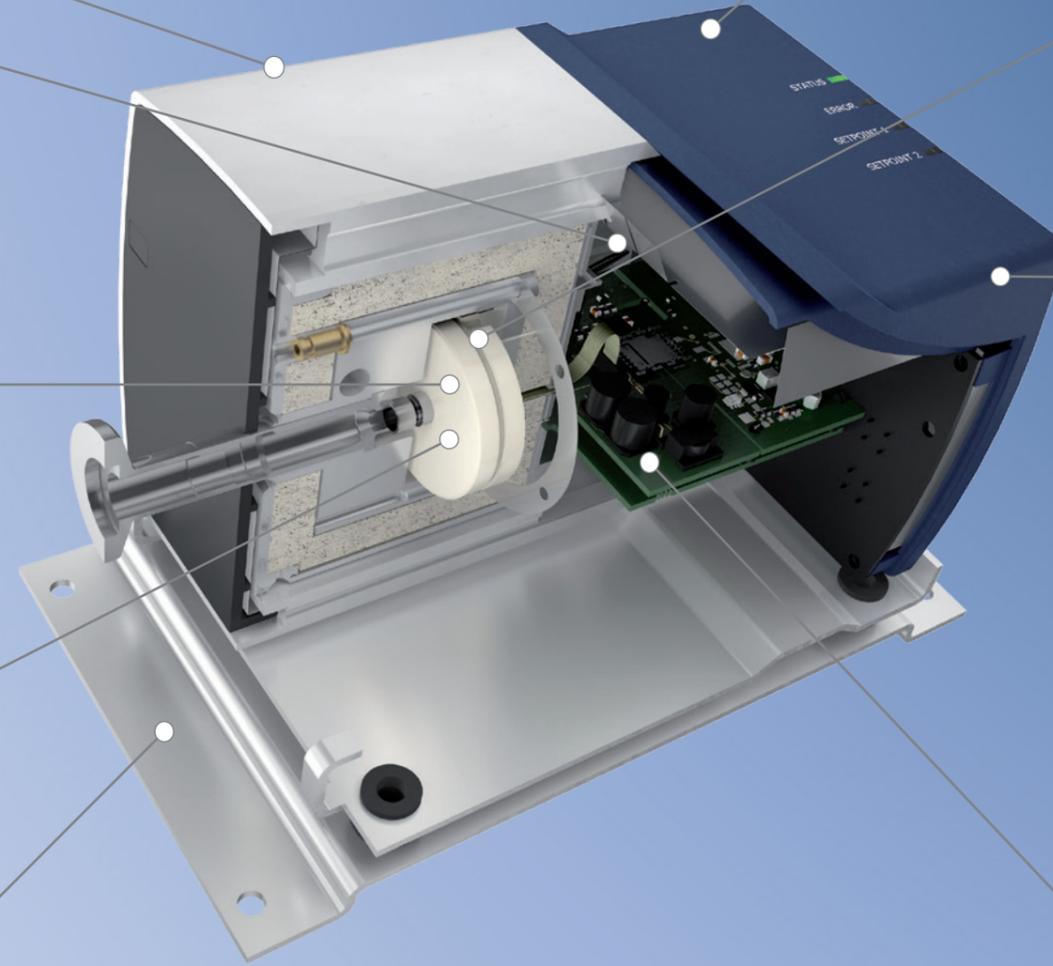


CDG working principle



Fully ceramic sensor

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



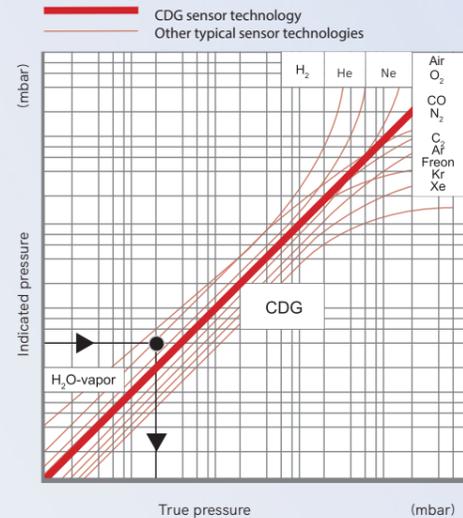
I/O Interfaces



Features

20 bit D/A	Wifi	Ethernet
WEB Interface	HTTP API	
RS 232	ARM Cortex A9	Linux

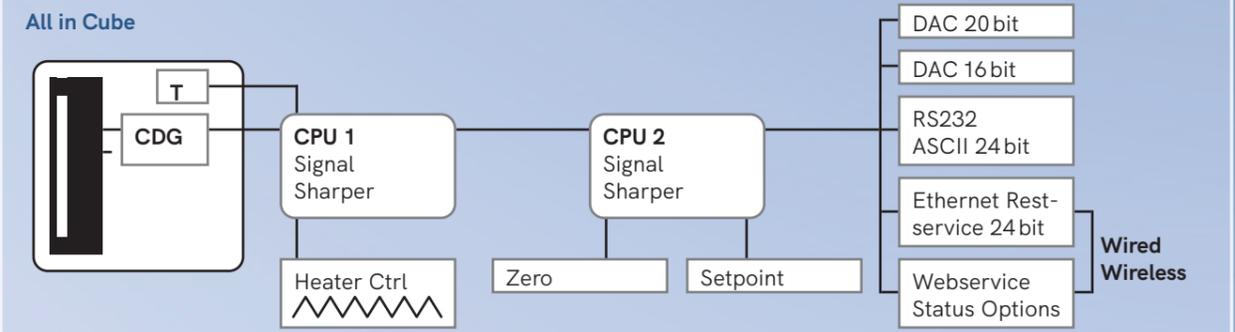
Gas type independence



Vibration isolation



All in Cube



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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