ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *MKS Instruments CDG045* at our website: *Click HERE*

CDG Selection Guide

a guide through INFICON CDGs

Capacitance Diaphragm Gauge

CDG: gas type independent, high accuracy corrosion resistant

Sensor Temperature [°C]	Accuracy [%]	Characteristics	Set points	Full scales [Torr]						Product	Type
				10m	100m	1	10	100	1000		
Ambient	0.5 1	Compact Gauge	w/o				0.01 - 10	0.1 - 100	1 - 1000	CDG020D	Porter
Ambient	0.2	Standard Gauge	w/o		0.1 - 100m	0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG025D	SKY
			2							CDG025D-S	
		Process Gauge	2							CDG025D X3	
		Current Loop 4-20mA	w/o								
Ambient	0.2	EtherCAT	2			0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG025D2	Edge
45	0.15	Process Gauge	2		0.1 - 100m	0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG045D	SKY
		Compact Gauge, EtherCAT								CDG045D2	Edge
		Fast Process Gauge		0.01 - 10m	0.1 - 100m					CDG045Dhs	Stripe
45	0.025	Reference Gauge	w/o		0.1 - 100m	0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDGsci	Cube
100	0.2	Process Gauge	2		0.1 - 100m	0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG100D	SKY
		Compact Gauge, EtherCAT								CDG100D2	Edge
		Fast Process Gauge			0.1 - 100m					CDG100Dhs	Stripe
160	0.4	Process Gauge	2			0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG160D	SKY
200	0.4	Process Gauge	2			0.0005 - 1	0.005 - 10	0.05 - 100	0.5 - 1000	CDG200D	SKY
Ambient	0.5	OEM Integration	2				0.01 - 10	0.1 - 100	1 - 1000	CDS500D	Spot

Please select part number, flange, connector, filter, field bus, etc in ordering information on website or data sheet

CDG - Family








CDG020D Porter	CDG025D	CDG045-200D SKY	CDG045-100D EDGE	CDG045-100Dhs STRIPE	CDG045Dsci CUBE
The Worker High Value For Price	unheated, high precision	Temperature controlled high precision 45 to 200°C	small 45 to 100°C	fast 45 to 100°C	highest precision 45°C




CDS500D **CDS550D**

SPOT – sensors for integration

CDG020D - Porter



- Stable and reliable pressure measurement
- Easy to use
- High Value-for-Price relation
- Either 0.5% or 1% of reading
- Protected against corrosive gases

CDG025D - room temperature CDG

High precision

Excellent temperature compensated

Choose from

standard **and** **Process CDG (harsh SEMI-processes)**



CDG025D



CDG025D-X3

CDG045D - CDG200D SKY



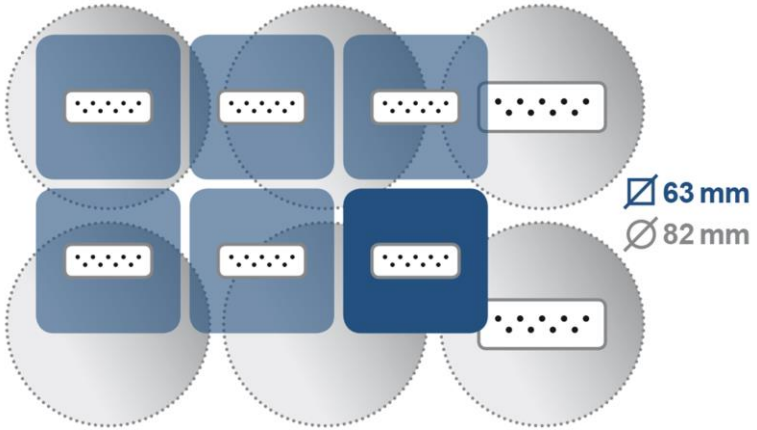
- Temperature controlled 45°C to 200°C
- High precision
- Avoid any condensation of process gas
- Protected against process-by-products

CDG045 / 100D2 - EDGE



- Temperature controlled 45°C to 100°C
- High precision
- Avoid any condensation of process gas
- Protected against process-by-products

- Smaller footprint compared to SKY CDG



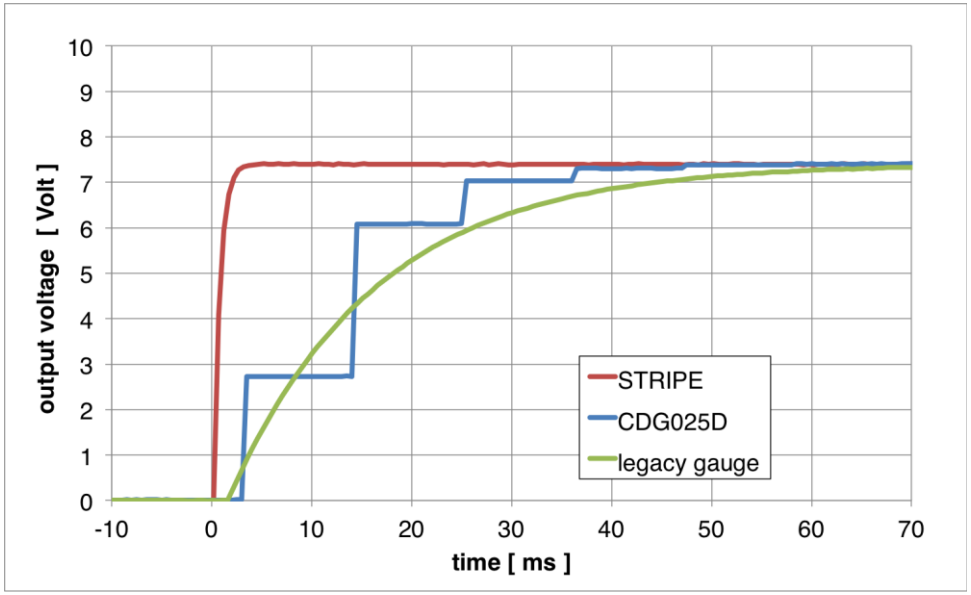
CDG045 / 100Dhs - STRIPE



Fast measuring – short responsetime: less than 2 ms

Temperature controlled 45°C to 100°C
High precision
Option: lowest full scale 10 mTorr
Avoid any condensation of process gas
Protected against process-by-products
EtherCAT interface

This is fast:



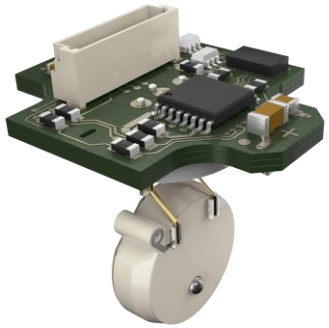
CDG045Dsci - CUBE



- **Highest precision [0.025% of R] – for calibration labs**
- pure reference for vacuum systems

- Temperature controlled 45°C
- Instrument for scientists and quality gurus
- **20 Bit output**
  - analog,
  - RS232
  - TCP/IP
  - HTML
  - Ethernet, wired and wireless

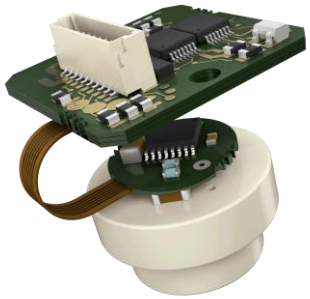
CDS500 / CDS550D - SPOT
CDG sensors for integration



- The ideal choice for OEM
- who want to integrate a sensor

- CDS500D - a suspended ceramic sensor, weldable

- CDS550D - O-ring sealing surface



- Both sensors
- Al2O3 coated
- SPI interface
- short response time (less than 2 ms)
- customer interface required (mech. and el.)

In the beginning – there is a decision

Which is my CDG?

Sensor for integration? y — SPOT



n — Temperature controlled?

to avoid condensation?

for Precision?

for robust measurement at room temperature

standard

small

fast

Calibration standard

high precision

Precision

special protection



SKY



EDGE



STRIPE



CUBE



SKY CDG045D

0.5% / 1%

0.2%



CDG025D-X3



CDG020D



CDG025D

Global Presence

950 employees; offices in 17 countries

Local support of customers is INFICON's competitive advantage



Visionary Sensor Technology

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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