

## SKY CDG045D DeviceNet™

---

INFICON SKY CDG045D manometers are your best choice for high accuracy total pressure measurement and control. CDG045D gauges are temperature controlled at 45 °C for superior signal stability and repeatability. They are available for full scale ranges from 100m Torr to 1000 Torr, with all common flange types and fieldbus interfaces and provide a linear 0 to 10 V, gas type independent pressure signal. INFICON capacitance manometers use an ultra pure alumina ceramic diaphragm which is corrosion proof. The advantages of the ceramic sensor are better signal stability, faster recovery from atmosphere, short warm up time and an extraordinary lifetime. INFICON CDGs are high quality, cost effective pressure sensors for demanding vacuum applications.

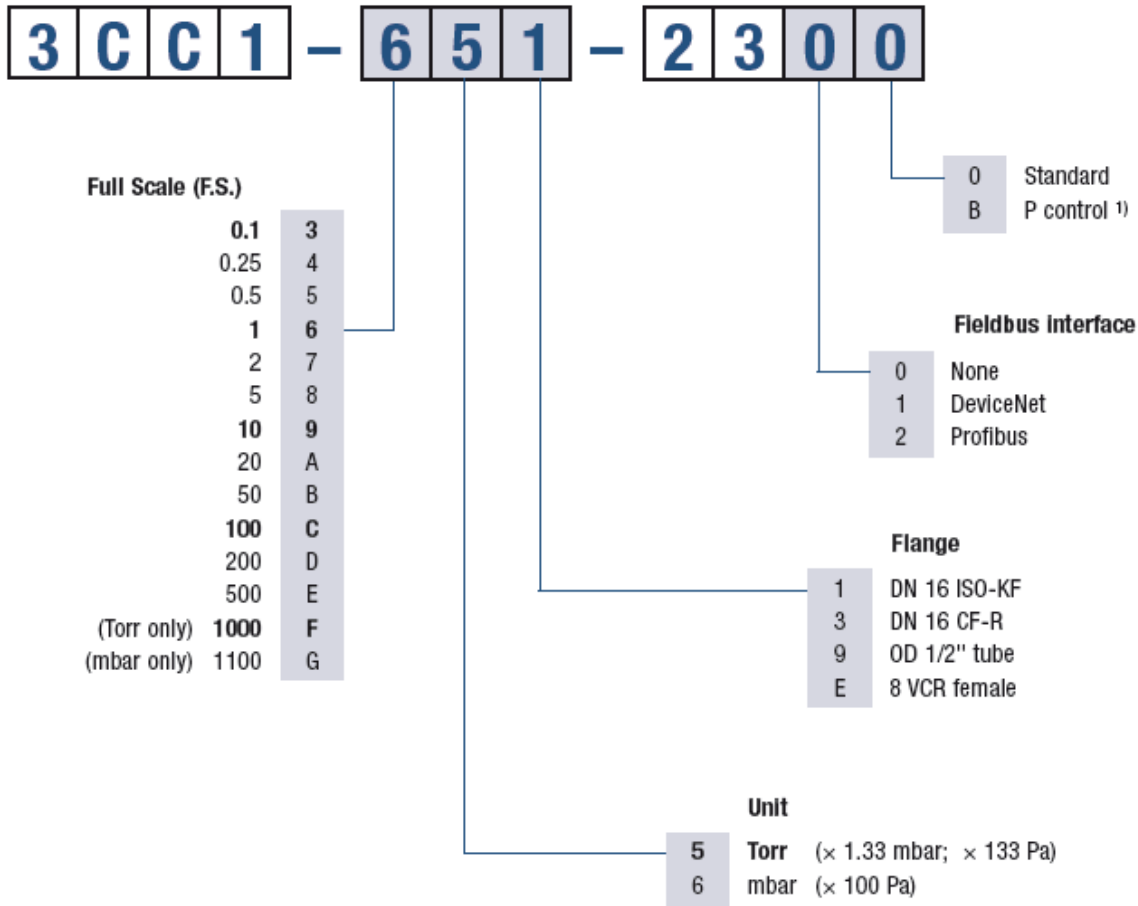


### FEATURES

---

- Lower cost of ownership, 50% faster warm up, energy efficient low power consumption
- Easy integration, wide variety of full scales, flanges and interfaces, standard with two set points
- Easy one push button or remote signal zero command, zero offset adjustable
- Diagnostic port for quick service and maintenance
- Two year warranty, longer life time with advanced heating concept and gauge protection
- No long term recalibration due to excellent signal stability and repeatability, even in harsh plasma applications
- Compliance & standards: CE, EN, UL, SEMI, RoHS

## ORDERING INFORMATION



<sup>1)</sup> Optimised signal filter setting for pressure control.

**bold** = standard products

Other flange types and full scale ranges (F.S.) on request.

## SPECIFICATIONS

Type		CDG045D DeviceNet™
Connector for CDG (analog output, supply voltage CDG, setpoints)		D-sub, 15 pin, male
Connector for DeviceNet™		microstyle, 5 pin, male
Protocol		DeviceNet™, group 2 slave only
Data rate	kBaud	125, 250, 500 by switch or network programmable
Cable length		
500 kbps	m (ft)	100 (330)
125 kbps	m (ft)	500 (1650)
250 kbps	m (ft)	250 (825)
MAC ID		address 00 - 63 by switch or network programmable
Digital functions	read	pressure, status, ID
Digital functions	set	set points, filter, zero adjust, factory reset, DC offset
Specification		DeviceNet™ "Vacuum Gauge Device Profile" (ODVA)
Device type		"VG" vacuum gauge
I / O slave messaging		polling only

## SPECIFICATIONS

Type	CDG045D DeviceNet™
Supply voltage for gauge at D-sub connector	+14 ... +30 VDC or $\pm 15$ V / $\leq 12$ W
Supply voltage for DeviceNet transceiver at microstyle connector	24 V nom / <2 W (11 ... 25 V)

## ACCESSORIES

	CDG045D DeviceNet™
28agnostic cable 1.9m (P3)	303-333



[www.inficon.com](http://www.inficon.com)    [reachus@inficon.com](mailto:reachus@inficon.com)

Due to our continuing program of product improvements, specifications are subject to change without notice.  
RateWatcher is a trademark of INFICON. All other trademarks are the property of their respective owners.

(2012-11)    © 2012 INFICON