

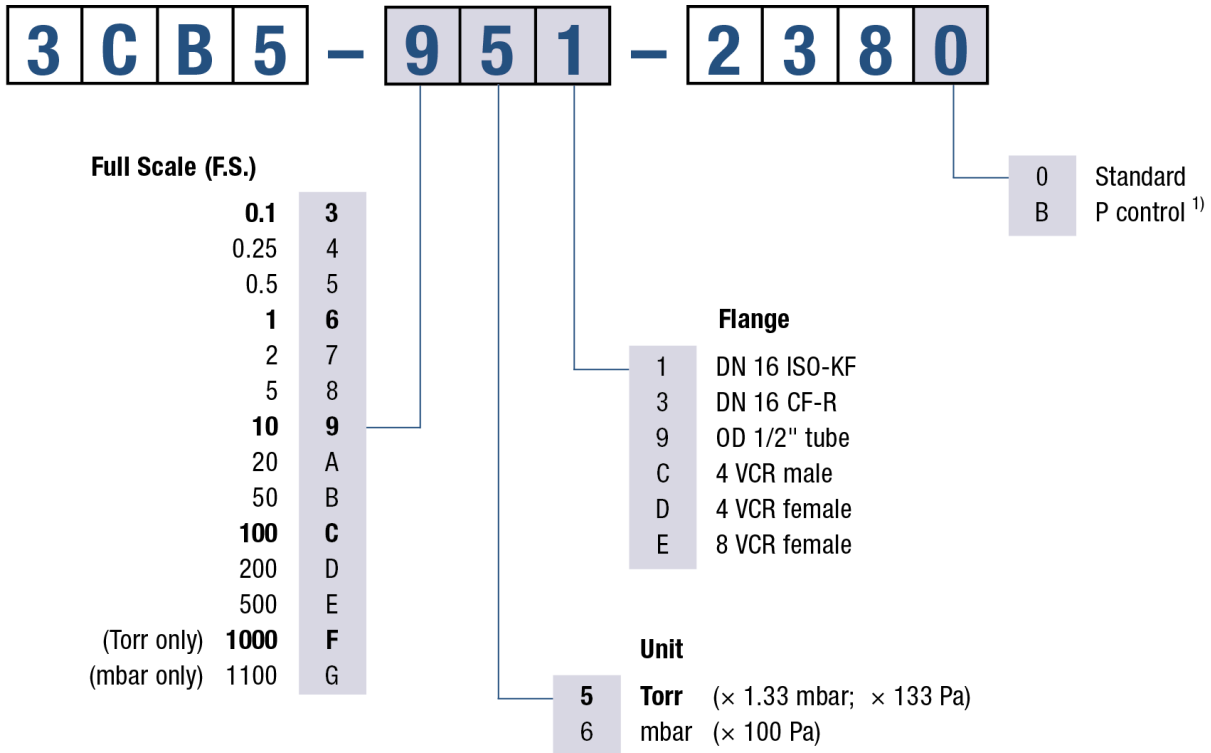
Edge CDG025D2 with EtherCAT 0.1 ... 1000 托 / 毫巴

INFICON Edge 电容膜片真空计属于高精度真空测量仪器，专为苛刻的生产环境而设计。经验证的温度控制、防腐蚀超纯陶瓷传感器可长期提供卓越的满量程稳定性和最先进的零点稳定性。Edge 采用 INFICON 获得专利的独特传感器屏蔽，可保护真空计在使用过程中产生不需要的附带结果。先进的电子设备为所有应用提供各种可配置的信号条件以及可选的 EtherCAT 现场总线接口。创新的加热概念确保了冰凉的接触表面并节省了宝贵的工具空间。INFICON Edge 是同类产品中体积最小的真空测量仪器。



益处

- 易于集成，EtherCAT，各种满刻度和法兰，标配两个设定点
- 轻松一键调零或远程信号调零指令，可调零点偏移
- 诊断端口用于快速维修和维护
- 防腐陶瓷传感器
- 卓越的长期信号稳定性
- 温度补偿
- 传感器防污染保护
- 合规性与标准：CE、EN、UL、SEMI、RoHS



¹⁾ Optimised signal filter setting for pressure control.

bold = standard products

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

规格

类型		1000 Torr, 1100 mbar	500 ... 10 Torr / mbar	1 Torr / mbar	0.25 Torr / mbar	0.1 Torr / mbar
精度 (1)	% of reading	0.2	0.2	0.2	0.25	0.5
温度效应						
零点	percent FS/ °C	0.005	0.005	0.015	0.02	0.02
温度效应						
满量程	% of reading / °C	0.01	0.01	0.01	0.03	0.03
压力, 最大	kPa (absolute)	400	260	260	130	130
分辨率	percent FS	0.003	0.003	0.003	0.003	0.003
最低读数	percent FS	0.01	0.01	0.01	0.01	0.01
建议的最低读数	percent FS	0.05	0.05	0.05	0.05	0.05
建议的最低控制压力	percent FS	0.5	0.5	0.5	0.5	0.5
温度						
传感器	°C	25	25	25	25	25
运行 (环境)	°C	+5 ... +50	+5 ... +50	+5 ... +50	+5 ... +50	+5 ... +50
在法兰处烘烤	°C	≤110	≤110	≤110	≤110	≤110
贮存	°C	-20 ... +65	-20 ... +65	-20 ... +65	-20 ... +65	-20 ... +65
电源电压		+14 ... +30 VDC or ±15 V (±5%)	+14 ... +30 VDC or ±15 V (±5%)	+14 ... +30 VDC or ±15 V (±5%)	+14 ... +30 VDC or ±15 V (±5%)	+14 ... +30 VDC or ±15 V (±5%)
功耗						
运行温度	W	≤1	≤1	≤1	≤1	≤1
输出信号 (模拟)	V (dc)	0 ... +10	0 ... +10	0 ... +10	0 ... +10	0 ... +10
反应时间 (2)	ms	30	30	30	130	130 / 30 (3)
保护等级		IP 40	IP 40	IP 40	IP 40	IP 40
标准						
CE 合规		EN 61000-6-2/-6- 3, EN 61010 & RoHS	EN 61000-6-2/-6- 3, EN 61010 & RoHS	EN 61000-6-2/-6- 3, EN 61010 & RoHS	EN 61000-6-2/-6- 3, EN 61010 & RoHS	EN 61000-6-2/-6- 3, EN 61010 & RoHS
ETL 认证		UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1
SEMI 合规		SEMI S2	SEMI S2	SEMI S2	SEMI S2	SEMI S2

规格

类型		1000 Torr, 1100 mbar	500 ... 10 Torr / mbar	1 Torr / mbar	0.25 Torr / mbar	0.1 Torr / mbar
电气连接		D-sub, 15 pole, male	D-sub, 15 pole, male	D-sub, 15 pole, male	D-sub, 15 pole, male	D-sub, 15 pole, male
设定点						
设定点数量		2 (SP1,SP2)	2 (SP1,SP2)	2 (SP1,SP2)	2 (SP1,SP2)	2 (SP1,SP2)
设定点						
继电器触点	V (dc)	≤30	≤30	≤30	≤30	≤30
设定点						
继电器触点	A (dc)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
设定点						
滞后	percent FS	1	1	1	1	1
诊断端口						
协议		RS232-C	RS232-C	RS232-C	RS232-C	RS232-C
读数		pressure, status, ID	pressure, status, ID	pressure, status, ID	pressure, status, ID	pressure, status, ID
设置		set points, filter, zero adjust, factory reset, DC offset	set points, filter, zero adjust, factory reset, DC offset	set points, filter, zero adjust, factory reset, DC offset	set points, filter, zero adjust, factory reset, DC offset	set points, filter, zero adjust, factory reset, DC offset
暴露于真空的材料		Aluminum oxide ceramic (Al ₂ O ₃), stainless steel (AISI 316L ⁽⁴⁾)	Aluminum oxide ceramic (Al ₂ O ₃), stainless steel (AISI 316L ⁽⁴⁾)	Aluminum oxide ceramic (Al ₂ O ₃), stainless steel (AISI 316L ⁽⁴⁾)	Aluminum oxide ceramic (Al ₂ O ₃), stainless steel (AISI 316L ⁽⁴⁾)	Aluminum oxide ceramic (Al ₂ O ₃), stainless steel (AISI 316L ⁽⁴⁾)
内部容积						
内部容积 1/2" 管	cm ³ (in. ³)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)
内部容积 DN 16 ISO KF	cm ³ (in. ³)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)
内部容积 DN 16 CF-R	cm ³ (in. ³)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)
内部容积 8 VCR®	cm ³ (in. ³)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)	4.2 (0.26)
重量						
重量 1/2" 管	g	837	837	837	837	837
重量 DN 16 ISO KF	g	852	852	852	852	852
重量 DN 16 CF-R	g	875	875	875	875	875
重量 8 VCR®	g	897	897	897	897	897
EtherCAT						

规格

类型		1000 Torr, 1100 mbar	500 ... 10 Torr / mbar	1 Torr / mbar	0.25 Torr / mbar	0.1 Torr / mbar
协议 EtherCAT		protocol specialized for EtherCAT	protocol specialized for EtherCAT	protocol specialized for EtherCAT	protocol specialized for EtherCAT	protocol specialized for EtherCAT
通讯标准		ETG.5003 Part 1 "Semiconducto r Device Profile" ETG.5003 Part 2080 "Specific Device Profile: Vacuum Pressure Gauge"	ETG.5003 Part 1 "Semiconducto r Device Profile" ETG.5003 Part 2080 "Specific Device Profile: Vacuum Pressure Gauge"	ETG.5003 Part 1 "Semiconducto r Device Profile" ETG.5003 Part 2080 "Specific Device Profile: Vacuum Pressure Gauge"	ETG.5003 Part 1 "Semiconducto r Device Profile" ETG.5003 Part 2080 "Specific Device Profile: Vacuum Pressure Gauge"	ETG.5003 Part 1 "Semiconducto r Device Profile" ETG.5003 Part 2080 "Specific Device Profile: Vacuum Pressure Gauge"
节点地址		Explicit Device Identification	Explicit Device Identification	Explicit Device Identification	Explicit Device Identification	Explicit Device Identification
物理层		100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)
数字功能读取		pressure, status, ID	pressure, status, ID	pressure, status, ID	pressure, status, ID	pressure, status, ID
数字功能设置		set points, filter, zero adjust, reset, DC offset	set points, filter, zero adjust, reset, DC offset	set points, filter, zero adjust, reset, DC offset	set points, filter, zero adjust, reset, DC offset	set points, filter, zero adjust, reset, DC offset
过程数据		Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping
邮箱 (CoE)		SDO requests, responses and information	SDO requests, responses and information	SDO requests, responses and information	SDO requests, responses and information	SDO requests, responses and information
EtherCAT 连接器		RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT
电缆		shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher
EtherCAT 数据率	Kbps	100000	100000	100000	100000	100000
EtherCAT 电缆长度	m (ft.)	≤100 (330)	≤100 (330)	≤100 (330)	≤100 (330)	≤100 (330)

(1) 25 °C 环境温度时非线性、滞后、可重复，运行 2 小时后不产生温度效应。

(2) 增加 10 ... 90 % FS

(3) 仅适用于压力控制类型

(4) 18% 铬，10% 镍，3% 钼，69% 铁

尺寸

