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TECHNOLOGY GROUP

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Find the *Inficon VGC403* at our website: ***Click HERE***

VGC40x

Your complete solution for process measurement and control.

Compatible to all INFICON active gauges, the VGC400 series of controllers can monitor the entire pressure range from 10-10 to 1500 mbar (10-10 to 1125 Torr) and the set point status.



BENEFITS

- Automatic identification of the connected INFICON gauges
- User selectable measurement unit (mbar,Torr, Pascal, micron)
- High resolution – 16 bit A/D converter
- Up to six adjustable setpoints with adjustable hysteresis may be assigned to any channel
- Compliance & standards: CE, ETL, RoHS
- Programmable 0 to 10 V chart recorder output with logarithmic/ linear characteristics for each gauge or gauge combination (VGC402/403 only)
- Firmware upgrades available on-line are easily downloaded via the RS232 interface
- Versatile, compact bench-top model design an easily be mounted in a panel or 19" rack
- Widerange power supply 90 to 250 V, 50 to 60 Hz

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ORDERING INFORMATION

Type	VGC401	VGC402	VGC403
Vacuum Gauge Controller	**398-010**	**398-020**	**398-021**
Adapter for rackmount 2HE / 3HE	**398-499**	–	–

ACCESSORIES

Gauges		**PCG, PEG, PSG, MPG**	**BAG, BCG, BPG, HPG, CDG**	**CDG (unheated)**
Signal read out / communication		analog	digital, analog possible	analog
Connector		FCC / FCC	D-Sub / D-Sub	FCC / D-Sub
Cable to VGC401 / VGC402 / VGC403 in m (ft)				
3	(9)	**398-500**	**398-520**	**398-540**
5	(16.5)	**398-501**	**398-521**	**398-541**
10	(33.0)	**398-502**	**398-522**	**398-542**
15	(49.5)	**398-503**	**398-523**	**398-543**
20	(66.0)	**398-504**	**398-524**	**398-544**
30	(99.0)	**398-505**	**398-525**	**398-545**

other lengths on request

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SPECIFICATIONS

Type		VGC401	VGC402	VGC403
Measurement channels		1	2	3
Display		LED	LCD	LCD
Display Range	mbar	2 x 10^{-10} … 1500	5×10^{-10} … 1500	5×10^{-10} … 1500
Display Range	Torr	1.5 x 10^{-10}…1125	3.75×10^{-10} … 1125	3.75×10^{-10} … 1125
Rate	1/s	10	10	10
A/D converter	bit	16	16	16
Connectable gauges with display range				
CDG (A/D)	mbar	1×10^{-3}×FS … 1×FS	1×10^{-3}×FS … 1×FS	1×10^{-3}×FS … 1×FS
PCG550 (1)	mbar	5×10^{-4} … 1500	5×10^{-4} … 1500	5×10^{-4} … 1500
PSG	mbar	5×10^{-4} … 1000	5×10^{-4} … 1000	5×10^{-4} … 1000
MPG	mbar	5×10^{-9} … 1000	5×10^{-9} … 1000	5×10^{-9} … 1000
PEG	mbar	1×10^{-9} … 1×10^{-2}	1×10^{-9} … 1×10^{-2}	1×10^{-9} … 1×10^{-2}
BCG	mbar	5×10^{-10} … 1500	5×10^{-10} … 1500	5×10^{-10} … 1500
BPG	mbar	5×10^{-10} … 1000	5×10^{-10} … 1000	5×10^{-10} … 1000
HPG	mbar	2×10^{-6} … 1000	2×10^{-6} … 1000	2×10^{-6} … 1000
BAG	mbar	2×10^{-10} … 1×10^{-1}	2×10^{-10} … 1×10^{-1}	2×10^{-10} … 1×10^{-1}
Connectable gauges with display range				
PCG550 (1)	Torr	3.75×10^{-4} … 1125	3.75×10^{-4} … 1125	3.75×10^{-4} … 1125
PSG	Torr	3.75×10^{-4} … 750	3.75×10^{-4} … 750	3.75×10^{-4} … 750
MPG	Torr	3.75×10^{-9} … 750	3.75×10^{-9} … 750	3.75×10^{-9} … 750
PEG	Torr	7.5×10^{-10} … 7.5×10^{-3}	7.5×10^{-10} … 7.5×10^{-3}	7.5×10^{-10} … 7.5×10^{-3}
BCG	Torr	3.75×10^{-10} … 1125	3.75×10^{-10} … 1125	3.75×10^{-10} … 1125
BPG	Torr	3.75×10^{-10} … 750	3.75×10^{-10} … 750	3.75×10^{-10} … 750
HPG	Torr	1.5×10^{-6} … 750	1.5×10^{-6} … 750	1.5×10^{-6} … 750
BAG	Torr	1.5×10^{-10} … 7.5×10^{-2}	1.5×10^{-10} … 7.5×10^{-2}	1.5×10^{-10} … 7.5×10^{-2}
Measurement unit (selectable)		mbar, Torr, Pascal, micron	mbar, Torr, Pascal, micron	mbar, Torr, Pascal, micron
Setpoints				
Setpoint relays		1	4	6
Channel assignment		1	1 or 2	1/2 or 3
Adjustment range		Sensor dependent	Sensor dependent	Sensor dependent
Hysteresis		adjustable	adjustable	adjustable

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SPECIFICATIONS

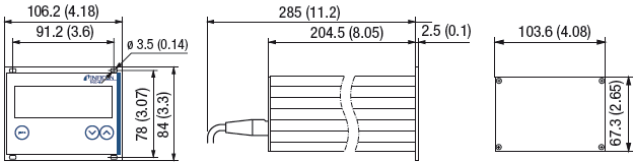
Type		VGC401	VGC402	VGC403
Relay contact		potential free change over contact	potential free change over contact	potential free change over contact
Connector SP		D-Sub, 9 pin, male	D-Sub, 25 pin, female	D-Sub, 25 pin, female
Setpoints				
Contact rating	V (ac)	30	30	30
Setpoints				
Contact rating	A (ac)	2	1	1
Setpoints				
Contact rating	V (dc)	60	60	60
Setpoints				
Contact rating	A (dc)	1	0.5	0.5
Analog output				
Range		0 … 10 Volt , sensor analog output signal	0 … 10 Volt , sensor analog output signal	0 … 10 Volt , sensor analog output signal
Programmable analog output			1	1
Connector		D-Sub, 9 pin, male	D-Sub, 9 pin, male	D-Sub, 9 pin, male
Interface RS232C (digital)				
Connector Interface		D-Sub, 9 pin, female	D-Sub, 9 pin, female	D-Sub, 9 pin, female
Power				
Supply	V	90 … 250	90 … 250	90 … 250
Power				
Frequency	Hz	50 … 60	50 … 60	50 … 60
Power				
Consumption	W	≤30	≤45	≤65
Operation temperature (ambience)	°C	+5 … +50	+5 … +50	+5 … +50

(1) down to 5 x 10-4 with parametermode "PRE" adjustable

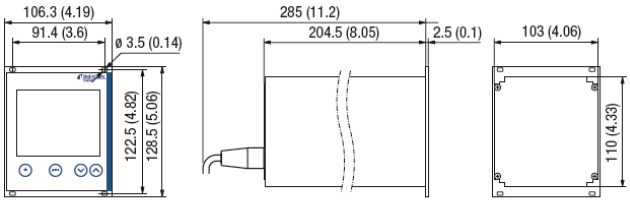
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DIMENSIONS

VGC401



VGC402 & VGC403



mm (inch)

www.inficon.com reachus@inficon.com

Due to our continuing program of product improvements, specifications are subject to change without notice.
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