

VGC50x

Sustainable solution for process measurement, control and data log

Compatible to the wide range of INFICON active gauges, the new VGC50x series of controllers are able to monitor and data log the entire pressure range from 10-10 to 1500 mbar (10-10 to 1125 Torr) and the set point status.



LEISTUNGEN

- Simple operation with dot matrix menu guided display for parameter, sensor or general settings
- Very bright and clear display for long distance instrument read-out
- Bar graph display with setpoints's or pressure vs. time display
- Data log and parameter log function with USB port (rear) and USB stick (front)
- Ethernet interface
- Firmware upgrade available online or with USB stick
- Two free definable setpoints per each channel with adjustable hysteresis
- High resolution – 16 bit A/D converter
- Automatic identification of the INFICON gauges

■ Programmable 0 to 10 V chart recorder out put with logarithmic / linear characteristics for single gauge or gauge combination (only VGC502 and VGC503)

BESTELLINFORMATIONEN

Typ		VGC501	VGC502	VGC503
VGC501	1 channel active gauge control	398-481		
VGC502	2 channel active gauges contro		398-482	
VGC503	3 channel active gauges control			398-483

TECHNISCHE DATEN

Typ		VGC501	VGC502	VGC503
Measurement channels		1	2	3
Display		LCD, LED backlight	LCD, LED backlight	LCD, LED backlight
Rate	1/s	10	10	10
Connectable gauges with display range				
CDG (A/D)	Torr	$1 \times 10^{-3} \times \text{F.S.} \dots 1 \times \text{F.S.}$	$1 \times 10^{-3} \times \text{F.S.} \dots 1 \times \text{F.S.}$	$1 \times 10^{-3} \times \text{F.S.} \dots 1 \times \text{F.S.}$
PCG	Torr	$3.75 \times 10^{-4} \dots 1125$	$3.75 \times 10^{-4} \dots 1125$	$3.75 \times 10^{-4} \dots 1125$
PSG	Torr	$3.75 \times 10^{-4} \dots 750$	$3.75 \times 10^{-4} \dots 750$	$3.75 \times 10^{-4} \dots 750$
MPG	Torr	$3.75 \times 10^{-9} \dots 750$	$3.75 \times 10^{-9} \dots 750$	$3.75 \times 10^{-9} \dots 750$
PEG	Torr	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$
MAG	Torr	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$	$7.5 \times 10^{-10} \dots 7.5 \times 10^{-3}$
BCG	Torr	$3.75 \times 10^{-10} \dots 1125$	$3.75 \times 10^{-10} \dots 1125$	$3.75 \times 10^{-10} \dots 1125$
BPG	Torr	$3.75 \times 10^{-10} \dots 750$	$3.75 \times 10^{-10} \dots 750$	$3.75 \times 10^{-10} \dots 750$
HPG	Torr	$1.5 \times 10^{-6} \dots 750$	$1.5 \times 10^{-6} \dots 750$	$1.5 \times 10^{-6} \dots 750$
Connectable gauges with display range				
PCG	mbar	$5 \times 10^{-4} \dots 1500$	$5 \times 10^{-4} \dots 1500$	$5 \times 10^{-4} \dots 1500$
PSG	mbar	$5 \times 10^{-4} \dots 1000$	$5 \times 10^{-4} \dots 1000$	$5 \times 10^{-4} \dots 1000$

TECHNISCHE DATEN

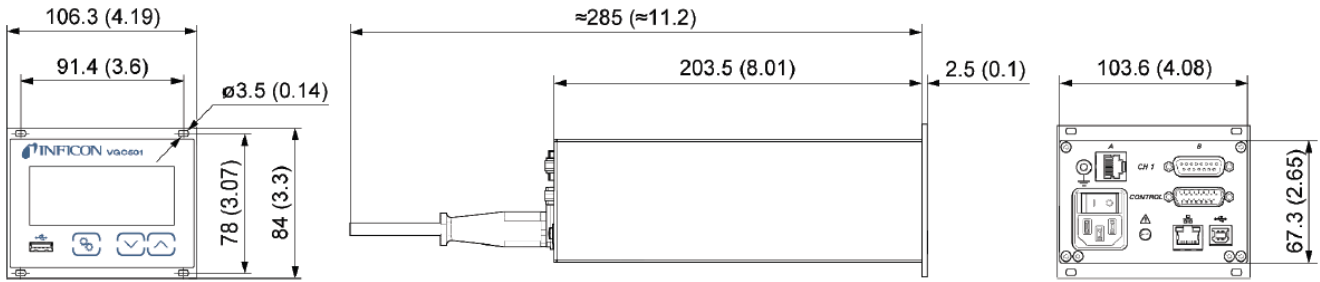
Typ		VGC501	VGC502	VGC503
MPG	mbar	$1 \times 10^{-9} \dots 1000$	$1 \times 10^{-9} \dots 1000$	$1 \times 10^{-9} \dots 1000$
PEG	mbar	$1 \times 10^{-9} \dots 1 \times 10^{-2}$	$1 \times 10^{-9} \dots 1 \times 10^{-2}$	$1 \times 10^{-9} \dots 1 \times 10^{-2}$
MAG	mbar	$1 \times 10^{-9} \dots 1 \times 10^{-2}$	$1 \times 10^{-9} \dots 1 \times 10^{-2}$	$1 \times 10^{-9} \dots 1 \times 10^{-2}$
BCG	mbar	$5 \times 10^{-10} \dots 1500$	$5 \times 10^{-10} \dots 1500$	$5 \times 10^{-10} \dots 1500$
BPG	mbar	$5 \times 10^{-10} \dots 1000$	$5 \times 10^{-10} \dots 1000$	$5 \times 10^{-10} \dots 1000$
HPG	mbar	$2 \times 10^{-6} \dots 1000$	$2 \times 10^{-6} \dots 1000$	$2 \times 10^{-6} \dots 1000$
Measurement unit (selectable)		mbar, Torr, Pa, hPa, Micron, V	mbar, Torr, Pa, hPa, Micron, V	mbar, Torr, Pa, hPa, Micron, V
Setpoints				
Setpoint relays		2	4	6
Channel assignment		1	1 or 2	1, 2 or 3
Adjustment range		sensor dependent	sensor dependent	sensor dependent
Hysteresis		adjustable	adjustable	adjustable
Relay contact		floating changeover contact	floating changeover contact	floating changeover contact
Connector		D-sub, 15-pin, male	D-sub, 25-pin, female	D-sub, 25-pin, female
Setpoints				
Contact rating	V (ac) • A	30 / 1	30 / 1	30 / 1
Setpoints				
Contact rating	V (dc) • A	60 / 0.5	60 / 0.5	60 / 0.5
Analog output				
Range	V	0 ... 10.3, sensor analog output signal	0 ... 10.3, sensor analog output signal	0 ... 10.3, sensor analog output signal
Analog output				
Analog output		1	2	3
Programmable analog output		-	1	1
Connector		D-Sub, 15-pin, male	D-Sub, 9-pin, male	D-Sub, 9-pin, male
Interface (digital)				
Connector		USB slave, master and Ethernet, USB Typ A (stick), USB Type B, FCC68/RJ45	USB slave, master and Ethernet, USB Typ A (stick), USB Type B, FCC68/RJ45	USB slave, master and Ethernet, USB Typ A (stick), USB Type B, FCC68/RJ45

TECHNISCHE DATEN

Typ		VGC501	VGC502	VGC503
8aa4ef95-7b04-4c5e-9390-57f25adb1246				
Supply	V (ac)	100 ... 240	100 ... 240	100 ... 240
8aa4ef95-7b04-4c5e-9390-57f25adb1246				
Frequency	Hz	50 ... 60	50 ... 60	50 ... 60
8aa4ef95-7b04-4c5e-9390-57f25adb1246				
Consumption	W	≤45	≤65	≤90
Operation temperature (ambiance)	°C	+5 ... +50	+5 ... +50	+5 ... +50

ABMESSUNGEN

VGC501 mm (inch)



VGC502, VGC503 mm (inch)

