

TPG361, TPG362

Vacuum Gauge Controllers

Sustainable solution for process measurement, control and data log

Compatible to the wide range of INFICON active gauges, the TPG36x active gauge 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.

ADVANTAGES

- 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 or pressure vs. time display
- Data log and parameter log function with USB port (rear side) and USB flash drive (front side)
- Ethernet interface
- Firmware upgrade available online or with USB flash drive
- Two free definable setpoints per channel with adjustable hysteresis
- High Resolution - 16 bit A/D converter
- Automatic identification of the INFICON active gauges
- RS485 interface



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ORDERING INFORMATION

Type	TPG361	TPG362
Vacuum Gauge Controller	IGD28040	IGD28290

Accessories	CMR, PCR, TPR, PKR, IKR, APR, PBR, IMR
Cable to Gauges in m (ft)	
3 (9.0)	BG448250-T
5 (16.5)	BG448251-T
10 (33.0)	BG448252-T
15 (49.5)	BG448253-T
20 (66.0)	BG448254-T
30 (99.0)	BG448256-T
35 (115.0)	BG448257-T
40 (132.0)	BG448258-T
45 (148.0)	BG448259-T
50 (164.0)	BG448260-T

Other lengths on request

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SPECIFICATIONS

Type	TPG361	TPG362
Measurement channels	1	2
Display	LCD, LED backlight	
Rate	10 1/s	
Connectable gauges with display range		
CMR (A/D)	1 × 10 ⁻³ × FS ... 1 × FS mbar / Torr	
PCR	5 × 10 ⁻⁴ ... 1500 mbar / 3.75 × 10 ⁻⁴ ... 1125 Torr	
TPR	5 × 10 ⁻⁴ ... 1000 mbar / 3.75 × 10 ⁻⁴ ... 750 Torr	
PKR	1 × 10 ⁻⁹ ... 1000 mbar / 7.5 × 10 ⁻¹⁰ ... 750 Torr	
IKR	1 × 10 ⁻⁹ ... 1 × 10 ⁻² mbar / 7.5 × 10 ⁻¹⁰ ... 7.5 × 10 ⁻³ Torr	
APR	0.1 ... 55000 mbar / 7.5 × 10 ⁻² ... 4.125 × 10 ⁴ Torr	
PBR	5 × 10 ⁻¹⁰ ... 1000 mbar / 3.75 × 10 ⁻¹⁰ ... 750 Torr	
IMR	2 × 10 ⁻⁶ ... 1000 mbar / 1.5 × 10 ⁻⁶ ... 750 Torr	
Measurement unit (selectable)	mbar, Torr, Pa, hPa, Micron, V	
Setpoints		
Setpoint relays	2	4
Channel assignment	1	1 or 2
Adjustment range	sensor dependent	sensor dependent
Hysteresis	adjustable	adjustable
Relay contact	floating changeover	floating changeover
Connector	D-Sub, 15 pin female	D-Sub, 15 pin female
Contact rating	30 V (ac) / 1 A 60 V (dc) / 0.5 A	30 V (ac) / 1 A 60 V (dc) / 0.5 A
Analog output		
Range	0 ... 10.3 V, sensor analog output signal	0 ... 10.3 V, sensor analog output signal
Analog output	1	2
Connector	Amphenol C91B, 7-pin, female	Amphenol C91B, 7-pin, female
Interface (digital)	USB slave, master, Ethernet and RS485	
Connector	USB Type A (stick), USB Type B, FCC68/RJ45, Binder M12	
Power		
Supply	100 ... 240 V (ac)	100 ... 240 V (ac)
Frequency	50 ... 60 Hz	50 ... 60 Hz
Consumption	≤45 w	≤65 W
Operating temperature (ambiance)	+5 ... +50 C°	

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DIMENSIONS

[mm]

