



Programmable Control Unit

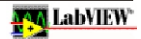
Absolute Pressure and Temperature

PGR2000

The PGR2000 programmable controller administrates 9 different program profiles which can be edited and saved, and controls up to 4 channels simultaneously.

You can connect Thyracont vacuum transducers type VSC42MA4 (1400-1mbar) and VSP52MA4 (20-0,001mbar) as well as temperature probes type PT100.

The serial interface supports comfortable programming, documentation and saving of process profiles via PC.



Typical Applications

- ▶ Simultaneous control of up to 4 process parameters
- ▶ Process automation
- ▶ Freeze drying
- ▶ Apparatebau, z.B. Ablaufsteuerung und Dokumentation komplexer Prozessprofile in Testschränken und -kammern
- ▶ Medical appliances
- ▶ Chemical process engineering
- ▶ Plastics
- ▶ Autoclaves

Your Benefits

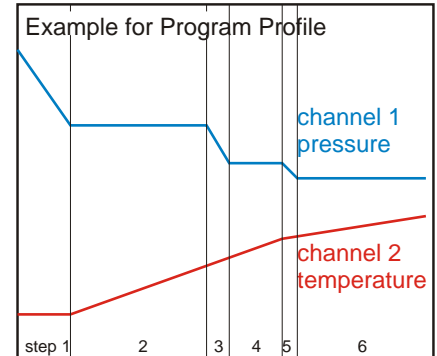
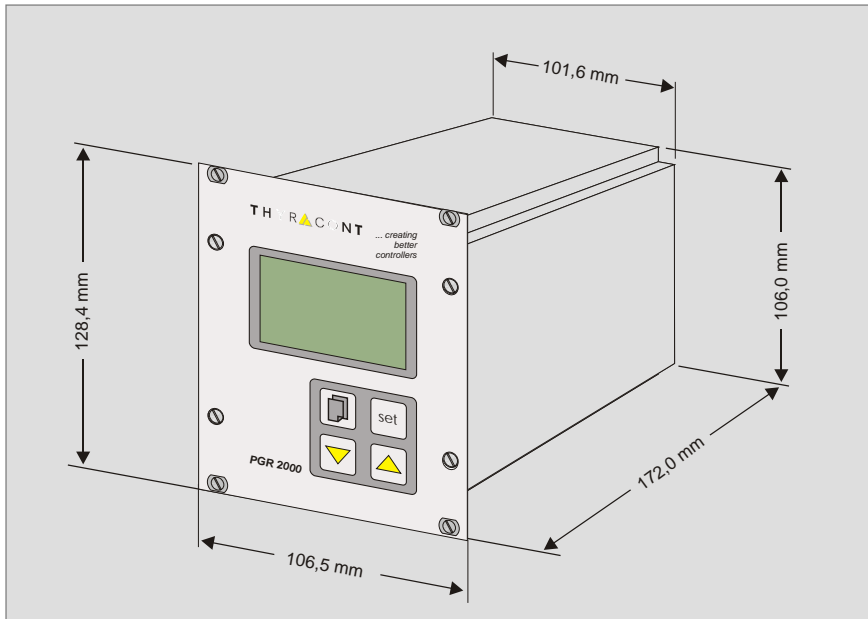
- ▶ 4 channels configurable or preconfigured to customer needs
- ▶ Usable with Thyracont-transducers VSC42MA4 (1400 - 1 mbar) and VSP52MA4 (20 - 0.001 mbar)
- ▶ PT100 for temperature measurement (-200 bis +200 °C)
- ▶ 9 program profiles with up to 20 steps each can be edited and loaded
- ▶ Customer specific versions available
- ▶ Worldwide use by switched mode power supply 95 - 265 VAC
- ▶ Large graphic display with background illumination
- ▶ Menu driven operator guidance
- ▶ 8 relay setpoints
- ▶ Serial interface RS232 or RS485, can be configured by menu
- ▶ Robust 19"-cassette with foil-protected front panel
- ▶ Easily adaptable to customer-specific cabinets
- ▶ Especial VacuGraph software: load and edit program profiles, process documentation on PC



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Technical Data

Measurement Display	Floating point: 2 - 4 digits Exponential: mantissa 2 digits, exponent 1 digit
Accuracy	depending on transducer type, additionally 0,003% f.s. +/- 1 digit
Measuring Rate	12 per s and channel
Operating Temperature	5 ... 40°C
Storage Temperature	-20 ... +60°C
Power Supply	95 - 265 VAC 50/60 Hz
Power Consumption	max. 15 W
Transducer Power Supply	24 VDC, 10 W and +/- 15 VDC, 5 W
Measuring Inputs	SubD 25pin, male, 4 configurable channels 4 - 20 mA, PT100 (-200°C...+200°C)
Digital Output	Serial, RS232 / RS485 (configurable)
Control Outputs	8 Relays, closer, Phoenix-socket 16pin
Switching Current	2 A, 250 VAC
Display	LCD graphic display, resolution 128 x 64 background illumination, size 57 x 35 mm
Weight	1010 g

Article Numbers

▶ PGR2000

Programmable controller, 4 channels, serial interface, 95-265 VAC, 19"-cassette 21TE x 3HE (customer specific solutions on request)

Accessories:

▶ VSC42MA4

Vacuum transducer 1400 - 1 mbar, DN16KF flange with G1/4 female, output 4 - 20 mA

▶ VSP52MA4

Pirani transducer 20-0,001 mbar, DN16KF flange, output 4 - 20 mA

▶ VGRP

Windows-Software for programming and documentation