

# GPC3000 Pressure & Flow Controller

GPC3000



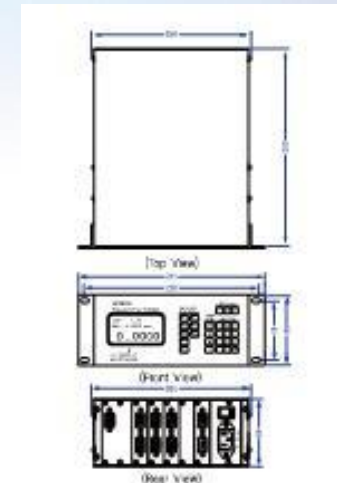
## GPC3000 Pressure & Flow Controller

GPC 3000 Pressure & Flow Controller is a Digital PID Pressure Controller for throttle Valve, It can supply +/- 15VDC to power and provide a readout for an attached Capacitance Manometer & four mass flow controllers.

### Features & Benefits

- Microprocessor based Controller
- 16 bit Bipolar A/D Converter used
- Displaying by graphic LCD(128\*64 dot)
- User friendly numeric button data input such as set-point value etc,,,
- Maximum 4 channel MFC control out(2,4 channel available)
- Automatic down stream pressure control function
- RS-232C PC Interface , TTL flow On/Off Command available
- CE Mark compliance

### Dimensions



# GPC3000 Pressure & Flow Controller



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## Specifications

Valves Operated	ATV1000 Exhaust Throttle Valves, MKS Type 653 and 253 Exhaust Throttle Valves and Others
Pressure Input Signal	Standard: 0-10 VDC
Input Power Required	90-132 or 180-264 VAC, 50/60 Hz
Set Point Programmable	5 total, programmable in any combination for pressure or position (adjustable from the front panel or RS232; selectable from the front panel, TTL, or RS232) 0~10 VDC
External Analog	
Controller Repeatability	±0.1% of F.S
Ambient Operating Temperature	15oC- 45oC
Output Power	±15 VDC ±5% @ 1.5 Amp
Analog Output Signal	0-10 VDC for 0-100% valve position and 0-10 VDC for 1-100% F.S. pressure
Size	1/2-rack packing: 88mm H x 241mm W x 225 D
Display	128 x 64 dot Graphic LCD (pressure, position and external set-point readout)

Display Units Soft Start	Torr, mTorr, mbar, Pascal, cmH2O, inH2O, µbar, Kpa Standard
PID Control	Standard
Remote Zero	Standard
Interface	Front panel, Analog, TTL and RS232
Relay Output	2, process limits: 24 Volts AC/DC 0.5Amp resistive
Remote Control Override (Open, Close, Hold)	Standard
Position Control Capability	Standard
Battery Backup	N/A



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