

DPC 3000

Precision pressure controller with electrical signal processing



Features

- | 7" touch display with additional input keypad
- | From vacuum up to 210 bar
- | Accuracy class up to 0.01% FS
- | Use of liquids
- | Transmitter calibration and logger function
- | Manometer, leak and pressure switch test
- | Customised measuring routines
- | Contamination protection (optional)
- | Interface description released

Reliable regulation with precision and control

Technical specifications

Control range	From vacuum up to 210 bar
Control accuracy	0.005% FS
Measuring ranges	
0.3% rgd + 0.3% FS	-2.5 mbar to +2.5 mbar
0.2% rgd + 0.2% FS	0...50 mbar, 0...100 mbar
0.04% rgd + 0.04% FS	0...400 mbar, 1 000 mbar
0.025% rgd + 0.025% FS	0...1 bar, 0...10 bar, 0...20 bar, 0...35 bar, 0...70 bar, 0...100 bar, 0...150 bar, 0...200 bar, 0...210 bar
0.01% FS	0...1.3 bara, 0...3,5 bara, 0...10 bara, 0...25 bara, 0...50 bara
Media	Gases, low viscosity liquids
Interfaces	RS232, USB, LAN
Electronic connection	Rubber connector
Supply voltage	100...240 VAC, 50/60 Hz
Pressure connection	G 1/8" I with exchangeable fine mesh filter 5µ
Special features	8-pole connector strip for external control functions (optional), customer-specific
Dimensions	130 x 380 x 265 mm (H x W x D)
Weight	4 700 g

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The DPC 3000 is equipped with a high-contrast, user-friendly arranged 7" touch display. The additional keypad includes the most important operating elements of the controller. The aluminium housing is stackable and ideally suited for test stands. Electrical transmitters can be connected directly via the current/voltage module. These can be calibrated automatically by means of stored calibration routines in compliance with the DAkkS regulation. Freely selectable pressure profiles can also be created and stored. The pressure curve can be displayed graphically and is saved in a CSV file. It has a leak test function with display of the pressure loss rate. An (optional) barometric sensor can be used for offsetting. It is possible to switch between overpressure and absolute pressure.

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