

DPC | easy

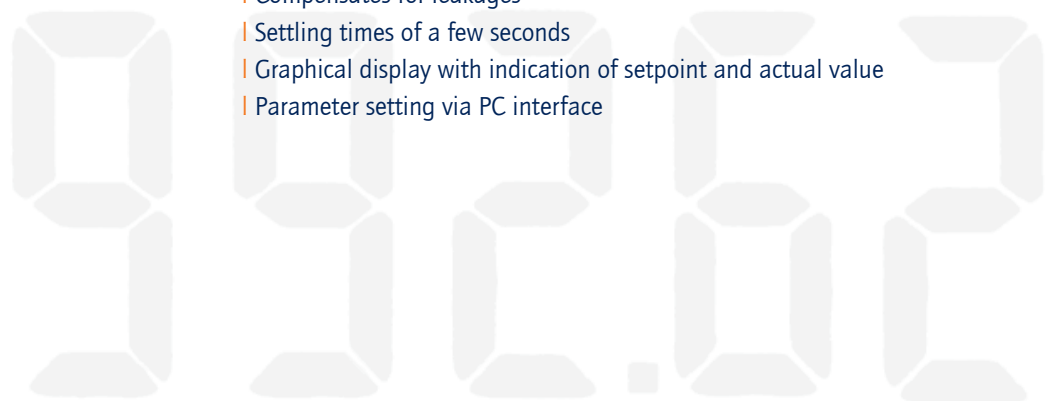
Electronic pressure controller in compact format



Features

- | Hysteresis-free alternative to mechanical pressure controllers
- | Setpoint adjustment via potentiometer
- | From 0...300 bar: air, gases
- | From 0...400 bar: liquids
- | Compensates for leakages
- | Settling times of a few seconds
- | Graphical display with indication of setpoint and actual value
- | Parameter setting via PC interface

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Reliable regulation with precision and control

Technical specifications

Control range	From 0 bar up to 300 bar
Control accuracy	< 1.0% FS
Media	Air, gases, liquids
Interfaces	RS232, others on request
Safety function	Timeout on loss of primary pressure
Dimensions	63 x 380 x 190 mm (H x W x D)
Weight	1 600 g
Optional	Mini-USV for VENT in case of voltage loss; 19" rack mounting

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Thanks to its dynamic response, the controller is particularly suitable as a virtually hysteresis-free replacement for mechanical controllers. Gases and liquids are suitable media for measurement. It is even possible to regulate petrol and brake fluids. The dynamic pulse valves are activated in milliseconds and are helium and vacuum-tight down to 10^{-6} . They are also capable of compensating for large volumes and leakages. The controller is easy to set up and enables cascade operation. The setpoint is varied by means of a 10-gang potentiometer. The value is adjusted in a few seconds depending on the connected cabling system. Accuracies of ± 1 bar (300 bar control range) are possible. The controller can be operated under full computer control and is particularly suitable for test rigs, calibration tasks, component ageing and leakage tests.

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