Pressure Calibration Station

Electronic pressure calibration station with two pressure controllers in a case

Features

l Compact calibration station with pressure cylinder: 200 bar or 300 bar
l DPC I easy particularly suitable for pressure gauge calibration
l Calibration of small pressures possible thanks to upstream pressure controller
l Evaluation of measuring transducers
l Automatic calibration procedures using MecoKal software

MECOTEC

Reliable regulation with precision and control

Technical specifications

DPC I easy

Control range	0...200 bar or 300 bar (depending on the pressure cylinder), extremly fast <1s
Accuracy	0.1% FS
Other	Setpoint adjustment via potentiometer or remote control

DPC 3000

Control range	0 bar to 40 bar
Accuracy	0.02% FS
Control range	40 bar to 300 bar
Accuracy	0.03% FS
Interfaces	LAN, WLAN, RS232, USB, MTC sensor bus
Optional	E-Cal module (installed in DPC 3000) for measuring and supplying 0...20 mA currents and 0...12 VDC voltages; 25 VDC supply; potential-free
Dimensions	550 mm x 430 mm x 220 mm (H x W x D)
Weight	14 Kg

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The DPC3000K-2R-200bar is a complete, portable calibration station. The system is supplied via an internal max. 300 bar pressure cylinder. The case cuts an impressive figure due to the DPC 3000 and DPC I easy pressure controllers. They can be operated separately or in cascade. In cascade, the DPC I easy works as an upstream pressure controller. It constantly supplies the main controller with the necessary upstream pressure. The additional use of external sensor modules, which are connected using a plug-in connection, enables calibrations in the 0–100 mbar range. The sensors are available for all ranges – enabling accuracy up to 0.02% FS. DAkkS-approved calibration routines are stored. They can also be entered in a customised manner. Communication takes place via LAN, WLAN, USB and RS232. An E-Cal current/voltage module is available as an option for supplying measuring transducers and recording the output signals. When used together with MecoKal, the new SQL-based software which has an integrated certificate generator, the user has a powerful and flexible calibration system for all calibration tasks at their disposal. Users additionally benefit from a quick-release adapter for all standard threads, which rounds off the system when mounted on a contamination barrier.