Beamex POC6
AUTOMATIC PRESSURE CONTROLLER

Pressure calibration made fast and easy

An accurate and user-friendly automatic pressure output controller

The Beamex POC6 is an accurate and user-friendly automatic pressure output controller, providing regulated output from vacuum to 100 bar (1450 psi). The POC6 can be delivered as a panel mounted to the Beamex MCS200 modular test and calibration system or as a portable desk top version.

The POC6 can be used as a stand-alone pressure controller or it can be integrated into the Beamex calibration system. Together with the MC6 and Beamex CMX calibration software, the POC6 offers a fully automated, integrated solution for performing, documenting and managing calibrations easily, efficiently and accurately.

Main features of the POC6

User friendly

With its touch screen, the POC6 is fast and efficient to use.

Panel mounted to a Beamex workstation

The POC6 can be used as panel mounted to a Beamex MCS200 modular test and calibration system.

Portable desk top version

The POC6 can also be used as a desk top pressure controller, which makes it a very mobile solution.

Part of Beamex ICS integrated calibration solution

Together with the Beamex MC6 or MC5P calibrators as well as the Beamex CMX calibration software, the POC6 offers an integrated, automated calibration system for performing, documenting and managing calibrations easily and efficiently.

General specifications

FEATURE	SPECIFICATION
Display	7.0" color LCD with touch screen
Weight	Approx. 9.1 kg (20 lbs)
Dimensions	Portable: 228(w) x 148(h) x 310(d) mm (without handle) Panel mounting: – Workstation, mobile trolley: 321(w) x 200(h) mm – Desktop cabinet: 321(w) x 178(h) mm
Digital interface	RS232, Ethernet, IEEE-488
Power consumption	Max. 90 VA
Warranty	2 years
Supported user interface languages	English, German, French, Spanish, Italian, Chinese, Russian, Japanese, Polish, Portuguese, Korean
Communication emulation	DPI510
Connections	Pressure supply, Vacuum supply, Test port All connections 7/16"-20 SAE

SPECIFICATIONS

FEATURE	SPECIFICATION
Output range	± 1 bar (±14.5 psi) –1 to 6 bar (–14.5 to 87 psi) –1 to 20 bar (–14.5 to 290 psi) –1 to 70 bar (–14.5 to 1,015 psi) –1 to 100 bar (–14.5 to 1450 psi) Special range within –1 to 100 bar (–14.5 to 1450 psi)
Precision	< 0.015 % FS
1 year uncertainty	< 0.025 % FS
Pressure units	33 selectable and 2 programmable
Control stability	< 0.004 % FS
Slew rate	< 3 sec. (regarding a 10 % press. increase in a 250 ml test volume)
Control range maximum	From 0 up to 100 % FS
Test volume	50 to 1,000 ccm (without throttle)
Pressure media	Clean dry non-corrosive gases
Overpressure protection	Safety relief valve
Resolution	4 to 6 digits
Measuring rate	25 / sec
Max overpressure	Supply port 110 % FS Test port max. 105 % FS
Supply pressure range	Minimum 100%, Maximum 110% of nominal pressure range
Compensated temperature range	15 to 45 °C
Operation temperature	0 … 50°C

INSTALLATION ALTERNATIVES

- Portable unit
- Panel mounted to a workstation
  - desktop cabinet
  - mobile trolley

STANDARD ACCESSORIES

- User guide
- Accredited calibration certificate
- Mains cable
- Connecting kits for:
  - High pressure and vacuum supply or
  - Low pressure and vacuum supply with appropriate pressure adapters and hoses

OPTIONS

- Barometric precision reference
  - enables absolute range
- Panel mounting kit
- Bezel and handle
- Carrying case

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User friendly

With its touch screen, the POC6 is fast and efficient to use.

Panel mounted to a Beamex workstation

The POC6 can be delivered and used as panel mounted to a Beamex MCS200 workstation.

Portable desk top version

The POC6 can also be used as a desk top pressure controller, which makes it a very mobile solution.

Part of Beamex ICS integrated calibration solution

Together with the Beamex MC6 or MC5P calibrator as well as the Beamex CMX calibration software, the POC6 offers an integrated, automated calibration system for performing, documenting and managing calibrations easily and efficiently.

Main features

- ▶ User-friendly
- ▶ Part of the Beamex ICS integrated calibration solution
- ▶ Can be used as a stand-alone pressure controller
- ▶ Automatic pressure calibrations
- ▶ Portable or bench mounted