POC6

Automatic Pressure Controller

beamex
WORLD-CLASS CALIBRATION SOLUTIONS™

Pressure calibration made fast and easy

The Beamex® POC6 is an accurate and user-friendly automatic pressure output controller, providing regulated output from vacuum to 70 bar (1015 psi).

The POC6 communicates with the Beamex® MC5P Calibration Host Module and with the portable Beamex® MC5 Multifunction Calibrator, enabling fully automatic calibration of pressure transmitters and other pressure instruments.

The POC6 can be delivered as panel mounted to Beamex® MCS100 Workstation or as a portable desk top version.

The POC6 can be used as a stand-alone pressure controller or as integrated to the Beamex calibration system.

Together with the MC5 family and Beamex® CMX Calibration software, the POC6 offers a fully automated, integrated solution for performing, documenting and managing calibrations easily, efficiently and accurately.

Beamex® POC6 Automatic Pressure Controller

The Beamex® POC6 can be used as a stand-alone pressure controller or together with Beamex® MC5 and MC5P Calibrators.

Main features

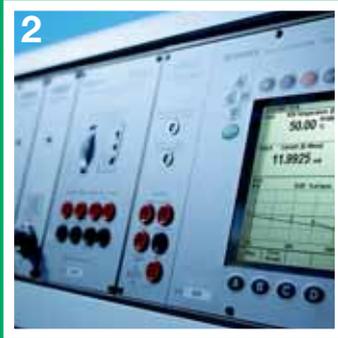| Main features	
Communicates with Beamex® MC5P and MC5 Calibrators	Easy-to-use
–1 to 70 bar (different ranges)	Panel mounted or portable desk top version
Precision < 0.015 % FS	High-speed regulation

Applications

Applications
Calibration of process instruments, such as pressure transmitters, sensors, gauges, indicators, recorders
Suitable for workshops, laboratories and on site calibration
Especially industries and plants that have a large number of instruments and/or perform a lot of calibrations

POC6 – Main Features

1. User friendly
The POC6 is fast and efficient to use with its touch screen.

2. Panel mounted into Beamex® Workstation
The POC6 can be delivered and used as panel mounted into a Beamex® MCS100 Workstation.

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

4. Part of Beamex® Integrated Calibration Solution
Together with the Beamex® MC5 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.

The POC6 can be panel mounted into Beamex® MCS100 Workstation, Mobile Trolley or Desktop Cabinet.

POC6 – General Specifications

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: - MCS100 Workstation, MCS100 Mobile Trolley: 321(w) x 200(h) mm - MCS100 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, Portugese, 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 1015 psi) Special range within –1 to 70 bar (–14.5 to 1015 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 105 to 110 % FS Test port max. 105 % FS
Compensated temperature range	15 to 45 °C
Operation temperature	0…50°C

Installation alternatives

- Portable unit
- Panel mounted into a workstation
  – MCS100 Workstation
  – MCS100 Desktop Cabinet
  – MCS100 Mobile Trolley

Options

- Absolute pressure range
- Barometric precision reference
  – Enables Absolute range for Gauge model, or Gauge range for Absolute model
- Panel mounting kit
- Bezel and handle

Standard Accessories

- User guide
- Accredited calibration certificate
- Mains cable

PORTABLE CALIBRATORS

WORKSTATIONS

PROFESSIONAL SERVICES

CALIBRATION SOFTWARE

RELATED PRODUCTS AND SERVICES

Portable Calibrators

Beamex's range of portable MC-calibrators for field calibration is known for their accuracy, versatility and also for meeting both high and uncompromised quality standards. CMX Professional has built-in communication with Beamex's documenting calibrators.

Workstations

A workstation can be considered ideal when most of the maintenance and calibration tasks are performed in the workshop. Beamex's workstation is a modular testing and calibration system designed for use in workshops and laboratories.

Professional Services

An essential part of a complete calibration solution are our Professional Services – service and re-calibration, implementation and training, software support, validation services and integration services. Working with you step-by-step, from implementation to support and recalibration, Beamex's Professional Services help you to get the most from your calibration investment.

Calibration Software

The Beamex® CMX Calibration Software is calibration management software that assists in documenting, planning, analyzing and, finally, optimizing calibration work. CMX's scalable technology and user configuration allows you to integrate it easily into other systems for a one-of-kind calibration system that fits your specific needs completely.

CMX also helps to meet the regulatory requirements, whether your plant's calibration system needs to comply with ISO 17025, cGMP or 21 CFR Part 11. By using CMX, you will have all your calibration results in a traceable and auditable form, either printed on paper or stored in electronic format in a database.

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Portable calibrators

Workstations

Calibration software

Professional services

Industry solutions

For more information, please visit **www.beamex.com** or contact **info@beamex.com**