

# Beamex POC8

AUTOMATIC PRESSURE CONTROLLER

79977348759834759833  
87984654546546  
79977348759834759833  
655387875684653403

115



Pressure calibration made fast and easy

**beamex**  
A BETTER WAY TO CALIBRATE

# An accurate and user-friendly automatic pressure output controller

The Beamex POC8 is an accurate and user-friendly automatic pressure output controller, providing regulated output from vacuum to 210 bar (3045 psi). A POC8 can be equipped with 1–2 internal measurement modules and an optional barometric module. The POC8 can be delivered as a panel mounted to the Beamex MCS200 modular test and calibration system or as a portable desk top version.

The POC8 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 POC8 offers a fully automated, integrated solution for performing, documenting and managing calibrations easily, efficiently and accurately.

116

## Main features of the POC8

### User friendly

With its 7" color LCD display with touch screen, the POC8 is fast and efficient to use. The user interface includes more than 10 different language options.

### Panel mounted to a Beamex workstation

The POC8 can be used as panel mounted to a Beamex MCS200 modular test and calibration system.

### Desk top version

The POC8 can also be used as a desk top pressure controller, which makes it a very mobile solution.

### Part of Beamex integrated calibration solution

Together with the Beamex MC6 or MC6 Workstation calibrators as well as the Beamex CMX calibration management software, the POC8 offers an integrated, automated calibration system for performing, documenting and managing calibrations easily and efficiently.



# General specifications

FEATURE	SPECIFICATION
Display	7" color LCD display with resistive touch screen
Weight	12.7 kg (28 lb) (with all modules installed)
Dimensions	Portable: 346(w) x 145(h) x 388 (d) mm Panel mounting: 400 (w) x 200 (h) mm
Communication	USB
Power consumption	max 150 VA
Warranty	2 years
Supported User interface languages	English, German, French, Spanish, Italian, Japanese, Chinese, Korean, Polish, Portuguese, Russian
Connections	Pressure supply, vacuum supply, measure/control. All connections 7/16-20 F UNF, provided with low or high pressure adapters.

## SPECIFICATIONS

FEATURE	SPECIFICATION																																											
Available ranges	<table border="1"> <thead> <tr> <th rowspan="2">MEASUREMENT RANGE</th> <th colspan="3">CONTROL UNIT</th> </tr> <tr> <th>10 bar / 145 psi</th> <th>100 bar / 1450 psi</th> <th>210 bar / 3045 psi</th> </tr> </thead> <tbody> <tr> <td>± 350 mbar / 5 psi</td> <td>•</td> <td>-</td> <td>-</td> </tr> <tr> <td>± 1 bar / 14.5 psi</td> <td>•</td> <td>-</td> <td>-</td> </tr> <tr> <td>Vacuum to 6 bar / 87 psi</td> <td>•</td> <td>•</td> <td>-</td> </tr> <tr> <td>Vacuum to 10 bar / 150 psi</td> <td>•</td> <td>•</td> <td>-</td> </tr> <tr> <td>Vacuum to 20 bar / 290 psi</td> <td>-</td> <td>•</td> <td>•</td> </tr> <tr> <td>Vacuum to 100 bar / 1450 psi</td> <td>-</td> <td>•</td> <td>•</td> </tr> <tr> <td>Vacuum to 210 bar / 3045 psi</td> <td>-</td> <td>-</td> <td>•</td> </tr> <tr> <td>Custom range within -1 ... 210 bar</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>Barometric module</td> <td>•</td> <td>•</td> <td>•</td> </tr> </tbody> </table> <p>The maximum controlled pressure is the same as the highest installed pressure measurement range.</p>	MEASUREMENT RANGE	CONTROL UNIT			10 bar / 145 psi	100 bar / 1450 psi	210 bar / 3045 psi	± 350 mbar / 5 psi	•	-	-	± 1 bar / 14.5 psi	•	-	-	Vacuum to 6 bar / 87 psi	•	•	-	Vacuum to 10 bar / 150 psi	•	•	-	Vacuum to 20 bar / 290 psi	-	•	•	Vacuum to 100 bar / 1450 psi	-	•	•	Vacuum to 210 bar / 3045 psi	-	-	•	Custom range within -1 ... 210 bar	•	•	•	Barometric module	•	•	•
MEASUREMENT RANGE	CONTROL UNIT																																											
	10 bar / 145 psi	100 bar / 1450 psi	210 bar / 3045 psi																																									
± 350 mbar / 5 psi	•	-	-																																									
± 1 bar / 14.5 psi	•	-	-																																									
Vacuum to 6 bar / 87 psi	•	•	-																																									
Vacuum to 10 bar / 150 psi	•	•	-																																									
Vacuum to 20 bar / 290 psi	-	•	•																																									
Vacuum to 100 bar / 1450 psi	-	•	•																																									
Vacuum to 210 bar / 3045 psi	-	-	•																																									
Custom range within -1 ... 210 bar	•	•	•																																									
Barometric module	•	•	•																																									
1 year uncertainty	0.02% of span (active range)																																											
Pressure units	38 units and two user programmable																																											
Control stability	0.005% of Span (active range)																																											
Test volume	0 ... 1,000 ccm																																											
Pressure media	Dry, clean air or nitrogen																																											
Overpressure protection	Safety relief valve fixed																																											
Resolution	4 to 6 digits																																											
Max overpressure	Supply port 110% FS Measure/control port: 105% FS																																											
Supply pressure range	Maximum 110% FS of control range. Minimum 1.38 bar (20 psi) over the required controlled pressure.																																											
Operation temperature	15 to 45 °C																																											

## INSTALLATION ALTERNATIVES

- Portable unit
- Panel mounted to a workstation

## OPTIONS

- Barometric precision reference
  - enables absolute range
- Panel mounting kit

## 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

## OPTIONAL ACCESSORIES

- Beamex DMT dirt and moisture trap
- Pressure hoses and connectors

# Beamex POC8

## AUTOMATIC PRESSURE CONTROLLER

The Beamex POC8 is an accurate and user-friendly automatic pressure output controller, providing regulated output from vacuum to 210 bar (3045 psi). A POC8 can be equipped with 1–2 internal measurement modules and an optional barometric module. The POC8 can be delivered as a panel mounted to the Beamex MCS200 modular test and calibration system or as a portable desk top version. The POC8 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 POC8 offers a fully automated, integrated solution for performing, documenting and managing calibrations easily, efficiently and accurately.

### User friendly

With its 7" color LCD display with touch screen, the POC8 is fast and efficient to use. The user interface includes more than 10 different language options.

### Panel mounted to a Beamex workstation

The POC8 can be used as panel mounted to a Beamex MCS200 modular test and calibration system.

### Portable desk top version

The POC8 can also be used as a desk top pressure controller, which makes it a very mobile solution.

### Part of Beamex integrated calibration solution

Together with the Beamex MC6 or MC6 Workstation calibrators as well as the Beamex CMX calibration management software, the POC8 offers an integrated, automated calibration system for performing, documenting and managing calibrations easily and efficiently.



### Main features

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