Beamex POC8
AUTOMATIC PRESSURE CONTROLLER

Pressure calibration made fast and easy

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.

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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 ICS 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			CONTROL UNIT	
	MEASUREMENT RANGE	10 bar	100 bar	210 bar
	± 350mbar / 5psi	•	-	-
	± 1bar / 14.5psi	•	-	-
	Vacuum to 6bar / 87psi	•	•	-
	Vacuum to 20bar / 290psi	-	•	•
	Vacuum to 100bar / 1450psi	-	•	•
	Vacuum to 210bar / 3045psi	-	-	•
	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 1.38bar (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

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User friendly
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Portable desk top version
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Part of Beamex ICS 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 ICS integrated calibration solution

▶ Can be used as a stand-alone pressure controller

▶ Automatic pressure calibrations

▶ Portable or bench mounted