Beamex POC8
AUTOMATIC PRESSURE CONTROLLER

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 pressure measurement modules and an optional barometric module. The POC8 can be integrated to the Beamex CENTRiCAL Workshop Calibration Solution or delivered as a standalone version.

Together with Beamex MC6 family calibrators and Beamex calibration management software, the POC8 offers a fully automated solution for performing, documenting and managing pressure calibrations easily, efficiently and accurately.

Main features of the POC8

Automatic pressure calibration solution

Together with Beamex MC6 family calibrators, as well as Beamex calibration management software, the POC8 offers an automatic calibration solution for performing, documenting and managing pressure calibrations easily and efficiently.

User friendly

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

Integrated to Beamex CENTRiCAL

The POC8 pressure controller can be integrated to the Beamex CENTRiCAL workshop calibration solution.

Standalone solution

The POC8 can also be used as a stand-alone desktop pressure controller, which makes it an easily movable solution.

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General specifications

FEATURE	SPECIFICATION
Display	7" color LCD display with resistive touch screen
Weight	12.7 kg (28 lb) (with all modules installed)
Dimensions	346 × 145 × 388 mm (W × H × D)
Available control units:	10 bar / 145 psi, 100 bar / 1450 psi, 210 bar / 3045 psi.
	Control unit can be equipped with 1 or 2 internal measurement modules and optional barometric module.
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.
	Each connection has Bx G1/8" or Bx 1215 fittings, compatible with Beamex pressure hoses.

PRESSURE MEASUREMENT MODULES

The table shows the compatibility of measurement modules with control units. 1-2 measurement modules and barometric module can be installed to a control unit.

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	•	•	•
Barometric module	•	•	•

The maximum controlled pressure is the same as the highest installed pressure measurement module range and/or the supply pressure, whichever is less.

SPECIFICATIONS

FEATURE	SPECIFICATION
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	Clean, dry air or other non-corrosive gas
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.
Operating temperature	15 to 45 °C

STANDARD ACCESSORIES

- Accredited calibration certificate
- User manual
- Pressure hoses and fittings for connecting to pressure / vacuum supply

OPTIONAL ACCESSORIES

- Beamex DMT Dirt and Moisture Trap
- Transport case
- Pressure hoses and fitting

See full list of available accessories in Beamex webshop