

# Beamex ePG

ELECTRIC PRESSURE PUMP AND CONTROLLER

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Pressure generation made easy

**beamex**

# Portable, battery-operated pressure generator

The Beamex ePG is a portable, battery-operated pressure generator (pump) for industrial pressure calibration applications in ranges from  $-0.85$  bar ( $-12.4$  psi) up to 20 bar (300 psi). It provides an effortless and quick way to generate pressure.

## Main features

### Easy pressure generation

The ePG is simple and easy to use. It provides a fast and effortless way to generate pressure and vacuum for various pressure calibration applications. Simply use the backlit coarse and fine adjustment buttons to generate the required pressure or vacuum.

### Flexibility – use with any calibrator

The ePG pressure generator can be used with any existing pressure calibrator, so there is no need to purchase a new one. Just replace your existing manual hand pump with the Beamex ePG and start making your life easier.

### Convenience, backed by the powerful battery

The ePG has a powerful field-replaceable rechargeable battery pack with status indication. The battery has a status check feature, it provides a long operation time, and it can be quickly charged either inside the pump or separately.

### Avoid downtime

The most common maintenance tasks can be carried out by the user, so there's no need to send the pump to Beamex for service. And even if the pump is sent to service, you can still use your calibrator.

### Be ready for the field

The robust ePG is made for field use and it is water and dust resistant. The pump can be easily held and operated with one hand while working in the field. The shoulder strap allows you to carry it or hang it.

### Automate and make it even easier

When the ePG is used together with the Beamex MC6 family of calibrators, it forms a fully automatic documenting pressure calibration system, ensuring calibrations are repeatable, avoiding errors in manual calibration, and saving both time and money. To use the ePG with your MC6 family calibrator, ensure that your MC6 firmware is version 4.30 or higher, and the ePG firmware is version 2.00 or higher. Additionally, the ePG communication option must be installed on the MC6.

### Applications

The ePG is ideal for all industrial pressure calibration applications. These include calibration of pressure instruments such as pressure transmitters, analogue and digital pressure indicators, pressure switches, pressure sensors, pneumatic transmitters, and other pressure instruments. Most industrial pressure calibration applications will benefit from using the ePG.

Industries that will especially benefit from the ePG include calibration service, power and energy, chemical, pharmaceutical, food & beverage, automotive, water and wastewater, pulp and paper, and oil & gas.



# General specifications

FEATURE	SPECIFICATION
Pressure range <sup>1)</sup>	-0.85 to 20 bar (-12.4 to 300 psi)
Setpoint adjustability Range -0.85 to 20 bar (-12.4 to 300 psi)	< 10 mbar (< 0.15 psi)
Pressure generation time <sup>2)</sup> Range 0 to 20 bar (0 to 300 psi) Range 0 to -0.85 bar (0 to -12.4 psi)	< 110 sec < 45 sec
Wetted parts	Aluminum, brass, stainless steel, thermoplastic polyester, food grade LMS oil
Dimensions <sup>3)</sup>	Height 231 mm (9.1 in) Width 157 mm (6.2 in) Depth 62 mm (2.4 in)
Weight	~ 2.3 kg (~ 5 lb)
Pressure port	G1/8" (ISO228/1) female port with adapter included for Beamex low pressure hose
Filter element	Filter element (36 micron) included in pressure port
Pressure media	Clean dry non-corrosive gas
Battery pack	Li-ion battery pack with USB-C connector. 14.4 V
Charger	USB Type-C charger, Power Delivery Profile 4. 20 V
Storage temperature	-20 to 60 °C (-4 to 140 °F)
Operating temperature	0 to 50 °C (32 to 122 °F)
Operating humidity <sup>4)</sup> Range 0 to 40 °C (23 to 104 °F) Range 40 to 50 °C (104 to 122 °F)	≤ 90%RH ≤ 50%RH
Warranty	1 year

1) Valid at nominal barometric pressure of 1013 mbar abs (14.69 psi abs).

2) Valid for connected volume of max 20 ml.

3) Without removable pressure connector.

4) EPG will work at higher humidity, but may not meet all specifications.

All specifications are subject to change without notice.

## Delivery content

### BEAMEX EPG COMPLETE KIT (9021115) INCLUDING:

- Beamex ePG
- Hard case for ePG
- Battery pack, Li-ion (installed)
- Hand and shoulder straps (installed)
- Warranty terms
- User manual
- USB Type-C charger with a country-specific power cord and mains plug
- USB Type-A to Type-C communication cable
- Pressure T-hose set
- Pressure fitting plug set
- USB Type-C dust covers (5 pcs)



### OPTIONAL ACCESSORIES / SPARE PARTS

- USB Type-C charger with a country-specific power cord and mains plug
- USB Type-A to Type-C communication cable (6690980)
- USB Type-C dust covers (5 pcs) (8006120)
- Shoulder strap (8006110)
- Piston seal service kit (8006130)
- Cylinder service kit (8006140)
- Non-return valve kit (8006145)
- Mesh filters for output connector (5 pcs) (8006160)
- Adhesive vents (3 pcs) (8006165)
- Pressure T-hose set (8009550)
- Pressure fitting plug set (8003610)
- Hard case for ePG (8003350)



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# Beamex ePG

## ELECTRIC PRESSURE PUMP AND CONTROLLER

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### Easy pressure generation

The ePG provides an easy and fast way to generate pressure.

### Flexibility – use with any calibrator

The ePG can be used with any pressure calibrator. Just replace your hand pump with ePG and make your life easier.

### Convenience, backed by the powerful battery

The ePG has a field-replaceable powerful battery pack providing long operation time.

### Avoid downtime – sustainability

Most common maintenance tasks can be carried out by the user.

### Ready for the field

The robust ePG is ready for the field.

### Automate and make it even easier

Make your pressure calibration fully automatic and paperless. Use ePG in conjunction with Beamex MC6 family calibrators.



### Main features

- ▶ Simple and easy to use
- ▶ Long lasting battery
- ▶ Robust structure
- ▶ Communicates with MC6 calibrators
- ▶ Vacuum & pressure in one pump