

EPC-LP Pressure Calibrator



The EPC-LP measures and generates pressure and can therefore be used as a pressure measurement device or as a test and calibration device for pressure sensors and pressure switches. An integrated lithium-ion battery makes the EPC-LP the perfect companion for mobile calibration tasks. It is therefore no longer necessary to disassemble the systems for calibration, thus speeding up the calibration process and reducing associated costs to a minimum. Programmable pressure profiles enable the automation of individual calibration processes. In addition to offering maximum convenience, the EPC-LP also has an extremely low measurement uncertainty and great long-term stability.

By DAkkS accredited laboratory according to DIN EN ISO / IEC 17025: 2018. The accreditation is valid only for the quantities listed in the accreditation scope. (Our Laboratory number is D-K-15055-01-00).

Applications:

- Mobile calibration
- laboratory calibration
- clean room
- test automation
- production monitoring

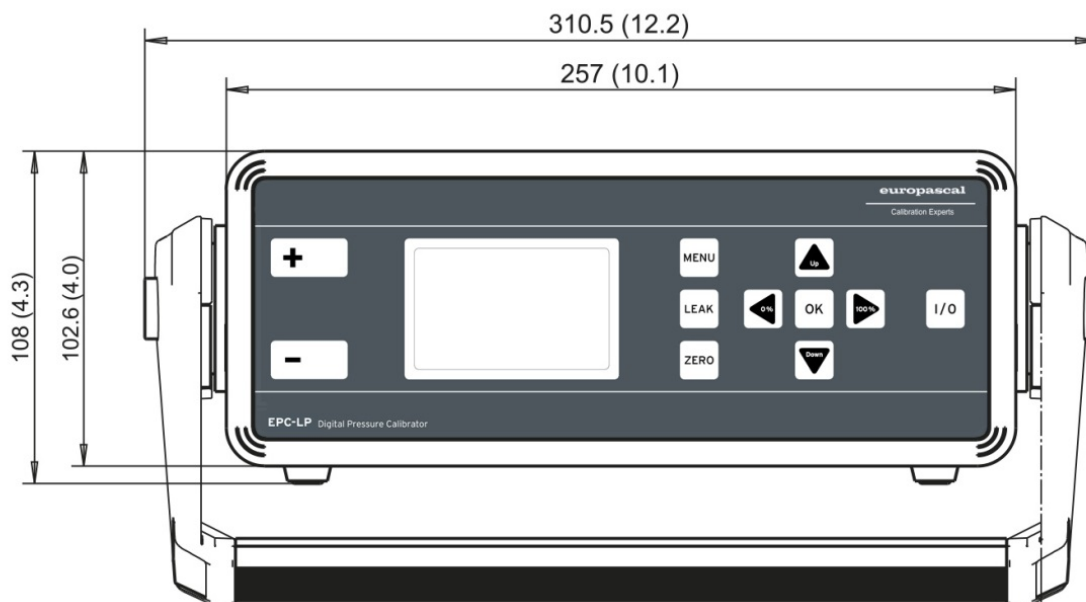
Technical Data

General				
Measurement principle	Inductive Measurement System			
Pressure generation	internal			
Measured medium	Non-aggressive gasses			
Measure and control data				
Measure and control range (selectable between 4 options)	EPC-LP 1	EPC-LP 10	EPC-LP 100	EPC-LP 1000
	1 hPa	10 hPa	100 hPa	1000 hPa
Overall accuracy	0,3 % FS*	0,1 % FS*		
Adjustment accuracy	0,05 %			
Settling time	< 5 s			
Long-term stability	< +/- 0,1 % FS/year 0.0 % with automatic or manual zero-point adjustment			
Temperature drift	≤ 0,03 % FS/K			
Usable pressure range	-10 - 110 %			
Zero balance	Automatic: in adjustable time intervals Manual: ZERO button			
Electrical data				
Power supply	Power supply (24 VDC / 1 A) Lithium-ion battery supply (apx 8 hours battery lifetime) Nominal: 14,4 V / 16,8 V Energy: 83,52 Wh / 5,8 Ah			
Interfaces	USB - RS232			

* The accuracy describes the maximum permissible measurement deviation of the sensor output signal from an applied pressure value. The accuracy includes measurement errors due to linearity errors, hysteresis errors and repeatability error. The Pressure transducers are being subjected to a zero point calibration and an amplitude adjustment. Both errors are thereby compensated. The specified accuracy therefore includes the maximum error at room temperature.

Ambient conditions	
Operating conditions	Temperature 10 °C - 40 °C
	Humidity < 90 % RH (non-condensing)
Storage conditions	Temperaturr -10 °C - 70 °C
	Humidity < 90 % RH (non-condensing)
Housing	
Dimensions	102,6 x 257 x 271 mm (W x H x D) without handle
Weight	4,5 kg without power supply unit
Pressure connections	6,6 x 11 mm (for flexible hoses D = 6 mm)
Display	Graphic display (blue/white); Resolution: 10.000 dots
Other Data	
Operating modes	CTRL = Regulate pressure MESS = Pressure measurement AUTO = Freely definable Remote controlled operation (via interfaces)
Standard accessory	Power supply Silicon tube, 1 m
Option	Transport case Spare Silicon tube, 1 m Spare Lithium-ion battery

Scale drawing



Your Note

A series of horizontal dashed lines for taking notes.