



MEDIUM-PRESSURE CALIBRATOR

MEDIUM: AIR / UP TO 26 BAR ABS.

KELLER pressure calibrators are highly accurate calibration instruments which are available for the following pressure ranges: 0...11 bar abs. (LPX), 0...26 bar abs. (MPX) or 0...700 bar (HPX) (special measurement ranges are available on request).

The medium-pressure calibrator (MPX) is used to generate pressure in order to check and calibrate mechanical and electronic pressure measurement devices with the help of comparative measurements.

The pressure generator is accommodated together with the pressure display in a functional housing. The pressure on a test object that is fitted to the calibrator can be built up quickly, and tracking is made easy thanks to the integrated display.

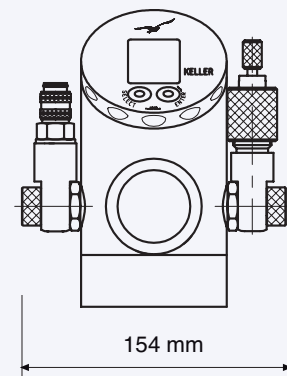
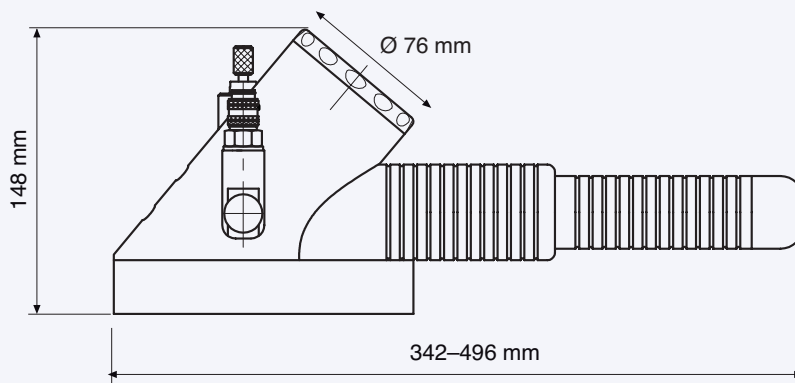
Test objects are connected to the medium-pressure calibrator via the Serto coupler and a connection nipple (G 1/4"). A hand pump (medium: air), integrated in the device, is used to build the pressure up to an approximate level with pulling and pumping movements; the pressure is then adjusted exactly with the help of the integrated fine-tuning valve.

Measurement work is made easier by a wide range of functions, such as setting any desired pressure zero point, display of peak and trough pressure values, or leak measurements.

Furthermore, the applied pressure can be displayed directly on a computer via the integrated interface (USB converter), after which it can be saved and processed or managed in any desired manner.

The calibrator, including accessories, is supplied in a durable carrying case, making it ideal for assignments in the field.

- Measurement accuracy: < 0,05 % of the full pressure range
- Measurement interval: 0,5 seconds
- Pressure generation by means of air
- Battery-powered (normal commercially available button-cell battery)
- Battery lifetime: > 2000 h in continuous operation
- USB interface converter: included in the scope of delivery
- Ambient characteristics: 0...50 °C / 5...95 % relative air humidity
- CE compliant / RoHS compliant





Pressure range (FS)	0...26 bar abs. (others on request)
Resolution	1 mbar
Overpressure	31 bar
Accuracy, error band ⁽¹⁾ (10...40 °C)	< 0,05 %FS
Accuracy, error band ⁽¹⁾ (0...50 °C)	< 0,1 %FS
Measurement interval	0,5 seconds

Power supply	3 V battery, type CR2430
Battery lifetime	> 2000 h in continuous operation

Operating temperature	0...50 °C
Compensated range	0...50 °C
Storage temperature	-10...60 °C
Humidity	5...95 % relative air humidity

Calibrator housing	Polyamide 12
Weight	approx. 2 kg
Pressure port	Serto and various adapters
Degree of protection	IP65

The image displays a variety of components and accessories for the MPX medium-pressure cell. At the top left is the main MPX device, a handheld unit with a digital display and a black handle. To its right is a black carrying case with the 'KELLER' logo. Below the case is a small circular metal disc. To the right of the disc are two different types of metal fittings or connectors. In the center is a document titled 'Operating instructions for the medium-pressure cell (MPX)' with a small illustration of the device. Below this document is a CD-ROM with a label that reads 'MPX - Medium Pressure Cell'. At the bottom left is a coiled black cable with a USB connector. To its right is a black cylindrical component with a white tube attached. At the bottom right are two circular seals or gaskets and a small green cylindrical component.