

KAL 200

Pressure calibration device with integrated pressure generation



Special features:

- high mobility by battery-operation (optional)
- run-time with accumulator acc. 8h
- automatic zero point calibration provides high zero-point stability
- quickly provides positive or negative differential pressures up to 100 kPa
- USB Interface
- unit conversion (e.g. mmHg, mmH₂O, psi etc.)
- multilingual menu (English, German, Italian, French, Spanish)
- With power supply and measuring input for the external test object

The KAL 200 calibration system combines a pressure transducer and pressure gauge. These can be used to test and calibrate pressure sensors and other pressure gauges for low pressures both quickly and easily. The desired pressure is indicated on the digital display and pressure is generated quickly and precisely through the use of a closed loop, thereby eliminating the need for an external pressure generator.

The KAL 200 is fitted with a USB port. This allows testing protocols to be transferred simply to the PC.

Optionen:

Available with lithium-ion rechargeable battery.

The instrument is available with a factory calibration or DAkkS calibration certificate.

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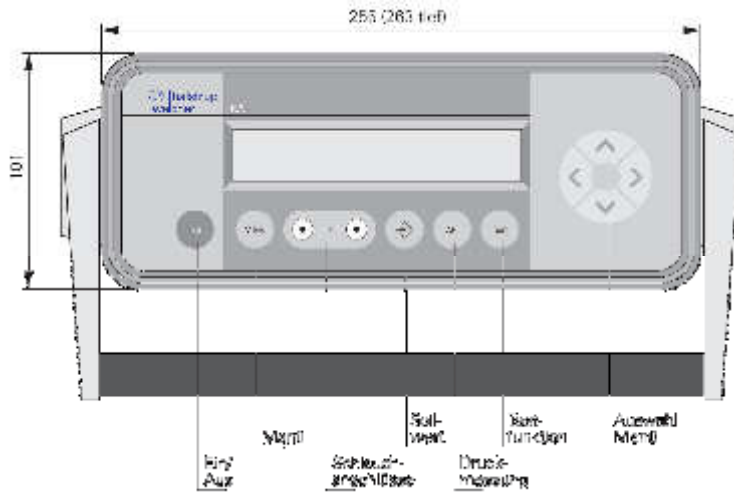
Technical data:

& Measurement Systems

measurement ranges	0...100 Pa (0... 1 mbar) 0...1 kPa (0... 10 mbar) 0...10 kPa (0...100 mbar) 0...100 kPa (0...1000 mbar) ± 100 Pa ± 1 kPa ± 10 kPa ± 100 kPa
supply voltage	115 VAC, +6 % / -15 % (50/60 Hz) 230 VAC, +6 % / -15 % (50/60 Hz) 115 VAC, +6 % / -15 % (50/60 Hz) and lithium-ionen accumulator 230 VAC, +6 % / -15 % (50/60 Hz) and lithium-ionen accumulator
data interface	none USB + measuring input (standard for KAL 200)
margin of error	0,3 % of end value ± 1 digit (100 Pa measurement range) 0,1 % of end value ± 1 digit (only for 1, 10 and 100 kPa measurement ranges)
hysteresis	0,1 %
overload capacity	600 kPa for 10 kPa and 100 kPa measurement ranges 200 at a time for 100 Pa and 1 kPa measurement ranges
temperature effect (zero point)	± 0 % (cyclical zero-point correction)
temperature effect (span)	0,03 % / K (+10 °C...+50 °C)
calibration temperature	+22 °C
medium	air, all non-aggressive gases
measuring input / power supply (extern test object)	0 - 10 V, 0 / 4 - 20 mA Measuring accuracy of end value: 0,2 % 24 VDC / 100 mA
display	alphanumerical display with 2x20 characters
operating temperature	+10 °C...+40 °C
storage temperature	-10 °C...+70 °C
power consumption	10 VA
weight	approx. 4,5 kg
pressure ports	\varnothing 6 mm, for hose NW 5 mm
testing	CE
accessories	carrying case DAkS-DKD calibration certificate, German DAkS-DKD calibration certificate, English Factory calibration certificate

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Dimension drawing:



User software:



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