



Properties / Benefits

- High precision measurement and calibration device
- High flexible while it runs on mains supply or battery
- Automatic zero-point correction provides high zero-point stability
- Internal pump quickly and accurately generates negative or positive differential pressures of -80 kPa up to 100 kPa
- Unit conversion (e.g. mmHg, mmH₂O, psi, etc.)
- Ensuring the calibration interval by displaying the last calibration
- Switching power supply for automatic adjustment of the voltage supply between 85 VAC and 264 VAC for the worldwide use

Order code	A	B	C	D	E
KAL					

Model	A	Power supply	C
KAL 100	100	85 .. 264 VAC, (47 .. 63 Hz)	0
KAL 200	200	85 .. 264 VAC (47 .. 63 Hz) and Lithium-ion Accumulator	A

Measurement ranges	B	Data interface	D
0 .. 100 Pa	0	none	0
0 .. 200 Pa	02	USB + measurement input for test object ²⁾	1
0 .. 500 Pa	05		
0 .. 1 kPa	1		
0 .. 2 kPa	2		
0 .. 5 kPa	5		
0 .. 10 kPa	10		
0 .. 20 kPa	20		
0 .. 50 kPa	50		
0 .. 100 kPa	100		
± 100 Pa	0A		
± 200 Pa	02A		
± 500 Pa	05A		
± 1 kPa	1A		
± 2 kPa	2A		
± 5 kPa	5A		
± 10 kPa	10A		
± 20 kPa	20A		
± 50 kPa	50A		
-80 .. 100 kPa	100A		

²⁾ Standard for KAL200

Calibration certificate	E
Factory calibration	I
Calibration according to DKD-R 6-1 ³⁾⁴⁾	D

³⁾ If a calibration certificate according to DKD-R 6-1 is selected, the factory calibration certificate is not required.

⁴⁾ Calibration according to DKD-R 6-1 only for pressure indication

KAL 100/200 Series 3		
Measurement accuracy ¹⁾	KAL 100:	KAL 200:
Measurement ranges > 0..200 Pa/±200 Pa	± 0.2 % FS	± 0.1 % FS
Measurement ranges ≤ 0..200 Pa/±200 Pa	± 0.5 % FS	± 0.2 % FS
Measurement ranges 0 .. 100 Pa/± 100 Pa	± 0.5 % FS.	± 0.3 % FS
Control accuracy of the Pressure generation	≤ 0.05 % FS	
Overload capacity	200x measurement range, max. 600 kPa	
Temperature coefficient zero point	± 0% (cyclical/manual zero-point correction) ¹⁾	
Calibration temperature	22 °C ± 4 K	
Medium	Luft, alle nichtaggressiven Gase	
Measurement input	0 .. 10 V, 0 .. 20 mA Measurement accuracy: 0.2 % FS	
Display	Alphanumeric display with 2x20 characters, backlighting	
Rated temperature range	10 .. 40 °C	
Storage temperature	-10 .. 70 °C	
Weight	approx. 4.6 kg	
Pressure ports	Ø 6 mm, for tubing NW 5 mm	
Certificates	CE/UKCA	

¹⁾ measurement accuracy for the reference 0.3 Pa, for measurement ranges ≤ ±1,5 kPa