halstrup walcher

KAL 100 / 200 Series 3

310
257 (271 deep)
107
103

menu
on/ off
tubing connec-tions
target value
pressure measurement
test function
menu selection

All dimensions in mm

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, mmH$_2$O, 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
KAL 100	100
KAL 200	200

Measurement ranges	B
0 .. 100 Pa	0
0 .. 200 Pa	02
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

Power supply	C
85 .. 264 V AC, (47 .. 63 Hz)	0
85 .. 264 V AC, (47 .. 63 Hz) and Lithium-ion Accumulator	A

Interface	D
none	0
USB + measurement input for test object [2]	1

[2] Standard for KAL 200

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	200 × measurement range, max. 600 kPa	
Temperature coefficient zero point	±0% (cyclical/manual zero-point correction)"	
Calibration temperature	22 °C ± 4 K	
Medium	air, all non-aggressive and non-flammable gases	
Measurement input	0 .. 10 V, 0 .. 20 mA Measurement accuracy: 0.2 % FS	
Display	Alphanumeric display with 2 × 20 characters, backlighting	
Rated temperature range	10 .. 40 °C	
Storage temperature	-10 .. 70 °C	
Weight	approx. 4 600 g	
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

Accessories

Transport case KAL 100 / 200
Order no. 9220.0002

Carrying bag KAL 100 / 200
supplied as standard

Carrying bag KAL 84
Order no. 9062.0001

Hand pump KAL 84
Order no. 9601.0036
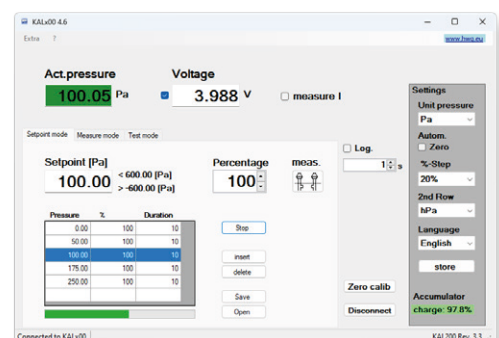
Application software for the KAL 100 / 200

Control your calibration process from the PC. The calibration devices KAL 100/200 with USB connection can be operated with our user software. You can choose between the following operating modes: setpoint mode, pressure measurement and test mode.

You can define calibration points and approach them automatically. Save a calibration sequence once defined and use it again for another or the same pressure transmitter.

Use the software to conveniently set parameters that you would otherwise set via the operating menu of the display (unit, language (English/French/German/Italian/Spanish), zeroing,...).

You can find the free user software at:

www.halstrup-walcher.de/en/downloads

To place your order, please call us at **+49 7661 3963-0**
or email us at **info@halstrup-walcher.com**.
For additional contacts, please visit
www.halstrup-walcher.de/en/contact