halstrup walcher

Margin of error KAL 100 (0.3 Pa margin of error for the reference)	\pm 0.2 % of max. value Measurement ranges > 0200 Pa/ \pm 200 Pa \pm 0.5 % of max. value Measurement ranges \leq 0200 Pa/ \pm 200 Pa
Margin of error KAL 200 (0.3 Pa margin of error for the reference)	± 0.1 % of max. value Measurement ranges > 0200 Pa/±200 Pa ± 0.2 % of max. value Measurement ranges 0200 Pa/±200 Pa ± 0.3 % of max. value Measurement ranges 0100 Pa/±100 Pa
Hysteresis	0.1 % of max. value
Overload capacity	600 kPa for measurement ranges > 3 kPa 200 x for measurement ranges ≤ 3 kPa
Temperature coefficient zero point	±0% (cyclical zero-point correction)
Temperature coefficient span	KAL 100: 0.04 % of max. value/K (1040°C) KAL 200: 0.03 % of max. value/K (1040°C)
Calibration temperature	22°C
Medium	air, all non-aggressive gases
Measurement input/ power supply (test object)	010 V, 0/420 mA Accuracy: 0.2 % of max. value 24 V DC/100 mA
Display	Alphanumeric display with 2x20 characters, backlighting
Operating temperature	1040°C
Storage temperature	-1070°C
Weight	approx. 4.5 kg
Pressure ports	Ø 6 mm, for tubing NW 5 mm
Certificates	CE

KAL200	200	
Power supply	С	
115 VAC, 6 % /-15 % (50/60 Hz)	1	
230 VAC, 6 % /-15 % (50/60 Hz)	2	
115 VAC, 6 % /-15 % (50/60 Hz) and rechargeable lithium ion battery	1A	
230 VAC, 6 %/-15 % (50/60 Hz) and rechargeable lithium ion battery	2A	

100

Model

KAL 100

Data interface	D
none	0
USB + measurement input for test object (standard for KAL 200)	1

Measurement ranges	В		
0100 Pa	0		
0200 Pa	02		
0500 Pa	05		
01 kPa	1		
02 kPa	2		
05 kPa	5		
010 kPa	10		
020 kPa	20		
050 kPa	50		
0100 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		
-80100 kPa	100A		

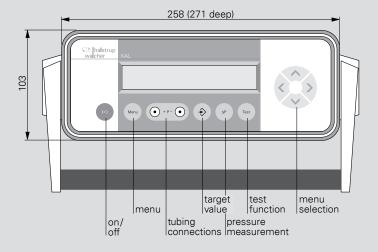
Order code	Α	В	С	D
KAL	-	<u>.</u>		-

KAL 100/200



Features

- · High precision measurement and calibration device
- · Runs on mains supply or battery, highly flexible (optional)
- Battery life approx. 8 hours, ideal for mobile applications
- Automatic zero-point correction provides high zero-point stability
- Internal pump quickly and accurately generates negative or positive differential pressures of up to 100 kPa
- Optional USB interface available (Standard for KAL 200)
- Factory calibration certificate supplied as standard (KAL 200)
- Unit conversion (e.g. mmHg, mmH₂O, psi, etc.)
- Multilingual menu (English/French/German/Italian/ Spanish)
- With power supply and measurement input for the external test object (transmitter being calibrated)



HIGH PRECISION ON-SITE MEASUREMENT AND CALIBRATION

The KAL range from halstrup-walcher offers 3 pressure calibration devices which offer outstanding value for money and can be used either for stationary (e.g. in a customer's own laboratory) or mobile applications. These devices combine the following features:

- · integrated pressure generation (for setting the calibration point)
- · high-precision pressure measurement

In the KAL 84, the pressure is generated using a manual pump and integrated pressure bellows. In the KAL 100/200, the calibration point (target pressure) is entered via the keyboard. A high precision pump automatically generates the target pressure. The user can select not only the display language but also the unit of pressure.



USER SOFTWARE FOR THE KAL 100/200

Control calibration processes from your PC.

The KAL 100/200 calibration devices with USB port can be operated using our user software. You have a choice of three operating modes: target value mode, pressure measurement and test mode.

Define calibration points and run to them automatically. Once you have saved a defined calibration run, you can use it again for another or the same pressure transmitter.

You can also use the software to set parameters which you would otherwise set using the display's operating menu (unit, language, zero-point adjustment,...).

You can find the free user software at:

www.halstrup-walcher.de/en/software

