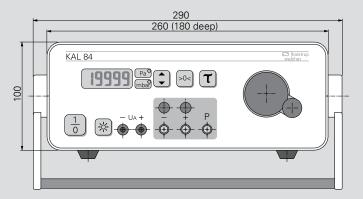
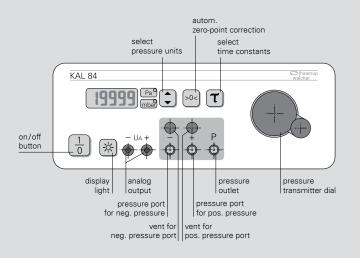




## **Features**

- · Highly accurate and reproducible results
- Internal pressure generation using pressure bellows and hand pump
- Very rugged and light: excellent for service applications
- Unit conversion, e.g. mmHg/kPa, mbar/kPa
- Rechargeable battery allows for portable operation





Margin of error <sup>1)</sup> (0.3 Pa margin of error for the reference)	$\pm$ 0.2 % of max. value + $\pm$ 1 digit for measurement ranges 150 kPa $\pm$ 0.5 % of max. value + $\pm$ 1 digit	
Hysteresis	0.1 % of max. value	
Temperature coefficient zero point	not applicable; Push button for resetting zero-point	
Temperature coefficient span	0.04 % of max. value/K (10 40 ° C)	
Calibration temperature	22°C	
Medium	air, all non-aggressive gases	
Displacement volume	approx. 100 cm³ (1, 10, 100 kPa) approx. 200 cm³ (100 Pa)	
Analog output	01 V (R <sub>L</sub> ≥2 k $\Omega$ ) 2 connectors Ø 4 mm	
Display	4½ digit LCD character height = 10 mm	
Time constants	toggles between 0.1 s; 1 s	
Operating temperature	1040°C	
Storage temperature	-1070°C	
Power supply	NiCd rechargeable 9 V battery with AC adaptor	
Weight	approx. 3 kg	
Pressure ports	for tubing NW 6 mm	
Certificates	CE	

<sup>1)</sup> all measurement ranges have a 99 % overrange.

Measurement ranges 2)	Α
0100 Pa (01 mbar)	0
01 kPa (010 mbar)	1
010 kPa (0100 mbar)	10
0100 kPa (01000 mbar)	100
0300 mmHg (0400 mbar)	300

## 2) others available upon request

Margin of error	В
± 0.5 % of max. value ±1 digit	1
± 0.2 % of max. value ± 1 digit for measurement range 1 50 kPa (optional)	2

Power supply	С
230 VAC adaptor	230
115 VAC adaptor	115

Order code	Α	В	С
KAL84 -		-	-

## 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

