

# USER MANUAL

## ALCOHOL TESTER

PCE-ALC 30

ENGLISH



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski) can be found via our product search on:  
[www.pce-instruments.com](http://www.pce-instruments.com)

## CAUTIONS

- » To have accurate indication of blood alcohol concentration, please test at least 15 minutes later after drinking. Make sure to attach a mouthpiece during testing, otherwise, the result is not accurate.
- » Not recommend to use it beyond -10°C-50°C. The reading may not be accurate.
- » To keep accuracy of alcohol tester, it's highly recommended to be recalibrated in every 6 months. Please calibrate the sensor once the tester is due for recalibration.
- » Do not block breath sample inlet, otherwise, the sample could be stay inside of tester, which will impact following tests.
- » Do not clean surface by Ethanol. Recommend to use soft wet cloth and neutral detergent.
- » Do not let smoke go into the mouthpiece and tester, which may damage the sensor.
- » Avoid any fall or strong shock which may damage the tester.

## GENERAL INFORMATION

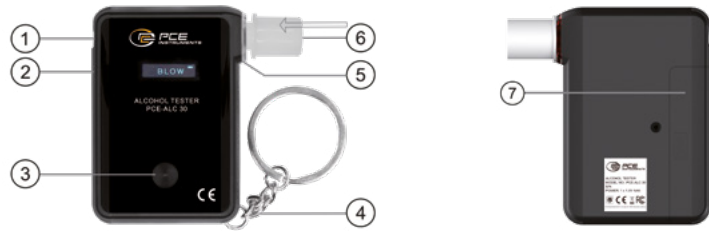
PCE-ALC 30 is a key chain breathalyzer which is convenient to carry and use at all times.

It adopts fuel cell sensor which provides superb accuracy and repeatability; OLED shows results with 3 decimals; Preset alarm threshold; Low voltage indication, etc.

## SPECIFICATION

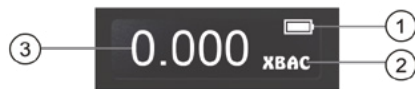
Model	PCE-ALC 30
Sensor	Fuel Cell
Test Range	0 ... 2.00 mg/L 0 ... 0.40 % BAC 0 ... 4.00 g/L 0 ... 440 mg/100mL
Resolution	0.001%BAC
Accuracy	±0.010 %BAC at 0.050%BAC
Warm Up Time	Less than 5s
Operation Condition	Temperature: -10°C ... 50°C Humidity: ≤95 %
Display	OLED
Battery	1 × 1.5V AAA
Dimension	66mm×47mm×19mm
Weight	35g
Automatically power off time	Testing mode: 30s
	Menu mode: 600s

## APPEARANCE



1. Breath Sample Outlet
2. Display
3. Button
4. Keychain
5. Indicative Light
6. Breath Sample inlet
7. Battery Cover

## DISPLAY



1. Battery Capacity
2. Measurement Unit
3. Test Result

## MEANING OF DISPLAY CONTENTS

0.0 5 5	Breath Test Result
4 digits after starting on, e.g.1988	Residual Testing Times Before Next Recalibration
WARM	Warming Up
CALIB	Calibration
BLOW	Please Blow
CALC	Calculation
LOW POWER	Battery Low
LOW POWER Auto Power Off	Battery Low and Power off

## MENU

Press and hold power button until there's "CALIB", then click the button once at each time, there will be displaying "UNIT", "ALM", "MODE", and "EXIT".

"CALIB" is for calibration.

"UNIT" is for measurement unit change. Long press button under interface "UNIT", it will enable to select unit from %BAC, ‰BAC, g/L, mg/L, mg/100mL by clicking once at each time, then long press to store.

"ALM" is for alarm threshold change. Long press button under interface "ALM", it will enable to change alarm point by stopping at "+" and "-", click once at each time to modify the value, and long press to store.

"MODE" is for switchable among three working mode, "STANDARD" for normal working mode, "ECO" for battery save mode, and "DEMO" for demonstration only. Long press to store one of three working mode.

"EXIT" is for back to original interface.

## OPERATION

- 1) Take off battery cover, install 1 piece AAA 1.5V battery. Please be aware of the polarity.
- 2) Insert Mouthpiece.
- 3) Press and hold power button until starting on, the following signs will turn up in sequence, an immediate beeping, display lights up, indicator lights take turns with red, green and blue, display shows residual blow times before next recalibration, and warming up counting down.
- 4) When warm up ends, there will be prompting BLOW. Please blow smoothly until you hear "di", results will be coming up in seconds. If there's failure, it will indicate by red light.
- 5) When the result is below pre-set alarming threshold, the light will indicate by green, if above, it will be red light with beeping alarm.

Press and hold power button more than 3 seconds, it will turn off. If there's no any operation within a period of time, it will turn off automatically.

# PCE INSTRUMENTS CONTACT INFORMATION

## Germany

PCE Deutschland GmbH  
Im Langel 26  
D-59872 Meschede  
Deutschland  
Tel.: +49 (0) 2903 976 99 0  
Fax: +49 (0) 2903 976 99 29  
info@pce-instruments.com  
www.pce-instruments.com/deutsch

## United Kingdom

PCE Instruments UK Ltd  
Trafford House  
Chester Rd, Old Trafford  
Manchester M32 0RS  
United Kingdom  
Tel: +44 (0) 161 464902 0  
Fax: +44 (0) 161 464902 9  
info@pce-instruments.co.uk  
www.pce-instruments.com/english

## The Netherlands

PCE Brookhuis B.V.  
Institutenweg 15  
7521 PH Enschede  
Nederland  
Telefoon: +31 (0)53 737 01 92  
info@pcebenelux.nl  
www.pce-instruments.com/dutch

## France

PCE Instruments France EURL  
23, rue de Strasbourg  
67250 Soultz-Sous-Forêts  
France  
Téléphone: +33 (0) 972 3537 17  
Numéro de fax: +33 (0) 972 3537 18  
info@pce-france.fr  
www.pce-instruments.com/french

## Italy

PCE Italia s.r.l.  
Via Pesciatina 878 / B-Interno 6  
55010 Loc. Gragnano  
Capannori (Lucca)  
Italia  
Telefono: +39 0583 975 114  
Fax: +39 0583 974 824  
info@pce-italia.it  
www.pce-instruments.com/italiano

## United States of America

PCE Americas Inc.  
1201 Jupiter Park Drive, Suite 8  
Jupiter / Palm Beach  
33458 FL  
USA  
Tel: +1 (561) 320-9162  
Fax: +1 (561) 320-9176  
info@pce-americas.com  
www.pce-instruments.com/us

## Spain

PCE Ibérica S.L.  
Calle Mula, 8  
02500 Tobarra (Albacete)  
España  
Tel.: +34 967 543 548  
Fax: +34 967 543 542  
info@pce-iberica.es  
www.pce-instruments.com/espanol

## Turkey

PCE Teknik Cihazları Ltd.Şti.  
Halkalı Merkez Mah.  
Pehlivan Sok. No.6/C  
34303 Küçükçekmece - İstanbul  
Türkiye  
Tel: 0212 471 11 47  
Faks: 0212 705 53 93  
info@pce-cihazlari.com.tr  
www.pce-instruments.com/turkish

## Denmark

PCE Instruments Denmark ApS  
Birk Centerpark 40  
7400 Herning  
Denmark  
Tel.: +45 70 30 53 08  
kontakt@pce-instruments.com  
www.pce-instruments.com/dansk

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