

BREATHALYZER

PCE-ALC 20



- » **Measuring range: 0 ... 400 mg/100 ml**
- » **Traffic light display for alcohol values**
- » **Fast results in approx. 5 s**
- » **LC colour display 0.96 inch**
- » **Units: mg/l, mg/100ml, µg/100ml, mg/ml, g/100ml**
- » **Measured value storage with date and time**

The breathalyzer enables reliable measurement in the range of 0 ... 400 mg/100 ml with an accuracy of ± 10 mg/100 ml. Measurement results are available in approx. 5 seconds and are clearly displayed on a 0.96 inch color LCD display. Various units are supported, including mg/l, mg/100ml, µg/100ml, mg/ml and g/100ml. The measurement results are displayed numerically and additionally supplemented by a colored traffic light display: green for values below 20 mg/100 ml, yellow for values between 20 and 80 mg/100 ml and red from 80 mg/100 ml. The measurement is carried out using a uniform breath sample with a puff duration of 2.5 seconds and an air flow of at least 20 liters per minute.

The breathalyser automatically saves the measurement results in the internal memory - including the date and time of each measurement. The integrated lithium battery is charged via a USB-C interface. The device is suitable for operation in a temperature range from -5°C to 40°C / 23 to 104°F. With a resolution of 0.001 mg/L and a repeatability of $\pm 6\%$, the breathalyzer offers precise and fast breath alcohol measurement.

Thanks to its compact design, dimensions and low weight, the breathalyzer is particularly handy, easy to transport and ideal for mobile use. It is ideal for private use to check your own alcohol level before driving a vehicle.

Specification

Alcohol content	
Measurement range up to	0 ... 400 mg/100 ml
Resolution	1 mg/100 ml
Accuracy	±10 mg/100 ml

General technical data	
Units	mg/l, mg/100ml, µg/100ml, mg/ml, g/100ml
Display type	LC colour display
Display size	0,96 Inch
Storage medium	Internal memory
Storage capacity	100 Values
Interface	USB-C
Service life	approx. 2 ... 3 years
Automatic power-off from...to	1 ... 10 min.
Repeat accuracy	1.75 %
Measurement time	2,5 s
Menu language	English, English (GB), Chinese
Protection class (device)	IP20
(Rechargeable) battery	1 x 3,7 V internal , Lithium-ion battery
Capacity	150 mAh
Operating conditions	-5 ... 40 °C , 0 ... 80 % RH
Storage conditions	-20 ... 70 °C , 0 ... 95 % RH
Dimensions (L x W x H)	52 x 65 x 17 mm
Weight	28 g