CA 9000® Professional

CA 9000® Professional breathalyzer is a combination of elegant design and advance measuring technology.

This breathalyzer is based on a platinum electrochemical cell that reacts exclusively to ethyl alcohol. It precisely determines the alcohol content in the collected sample and provide accurate breath alcohol results up to 4.00‰. It can display the breath alcohol reading in any of the commonly used units.

CA 9000® Professional offers high accuracy, reliability and stability over a long period of time. The tester is equipped with an advance temperature function to help you operate it in an optimal temperature range (0° - 40°C).

This device is powered by two 1.5V alkaline AAA batteries. Improved electronic components reduced energy consumption, so that the CA 9000® can last longer on a single set of batteries.

RECOMMENDED
It is the perfect choice for anyone – from individuals and businesses to professional groups. The CA 9000® Professional SG can be used in transportation companies, construction sites, schools and many other industrial fields.

FEATURES
▪ Advanced Fuel Cell Technology – very precise sensor

▪ 3-digit LCD display, dual color, with backlight

▪ Sensor self-diagnostic function

▪ Breath sample flow check technology

▪ High measurement range up to 4.00 ‰

▪ Resolution indication 0.01‰

▪ The long-term stability of the measurement over time

▪ Built-in thermometer for temperature control device

▪ Short recovery time between tests

▪ Easy one button operation

▪ Cumulative test counter & calibration timer

▪ Battery level indication and automatic power-off function

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SPECIFICATION

Sensor	**platinium, fuel cell sensor**
Detection range	0.00 – 4.00 ‰ HI – after exceeding the alarm threshold
Measurement units *	**‰ (permille), mg/L, % BAC, μg/L**
Resolution	0.01 ‰
Accuracy **	**±0.05 ‰ at 1.00 ‰ at 25 °C**
Exhalation time	± 4 sec.
Preparation time ***	**< 20 sec.**
Measuring modes	automatic
Alarm threshold	**0.20 ‰**
Memory	the last 10 measurement results

WORKING AND STORAGE CONDITIONS

Working conditions	**0 ~ 40°C, < 95% RH**
Storage conditions	0 ~ 50°C, < 95% RH

POWER

Batteries	**2 x 1.5V DC alkaline AAA batteries**
Automatic power off	after 20 sec. of inactivity after 30 sec. from the measurement
Low battery indication	**yes**

MECHANICAL PARAMETRES

Display	**3 digit LCD, dual color with backlight**
Dimensions	114 x 47 x 24 mm
Weight (with batteries)	**85 g**
Equipment	set of batteries, 3 mouthpieces, material case, manual

ADDITIONAL FUNCTIONS

Cumulative test counter & calibration timer
Integrated „temperature control module"
Air flow sensor that controls the correctness of the measurement

*   measurement units can be set by service. If you want another unit than ‰ promile please let us know.

**   see instruction manual. In order to ensure accurate readings, it is recommended to perform regular calibration of the device every 6 – 12 months or after 500 measurements (whichever comes first).

*** time of preparation of the device for the first measurement.