

▶ Dräger Alcotest® 3820

Electronic breathalyzer for consumer use



Technical specifications

Measurement principle:

Dräger Sensor 1/4 "electrochemical sensor; specific to alcohol

Measuring range : 0 to 5.00 ‰; a message is displayed if measuring range limits are reached

Sampling : automatic sampling once the minimum volume or breath time has been reached; automatic withdrawal at the end of the expiration; depending on the configuration

Ready to use : about 4 seconds after it starts

Measurements display : after about 3 s (at 0 mg / L); after about 10 s (at 1.00 ‰ at room temperature)

Operating temperature : -5 to +50 °C

Relative humidity : 10 to 100% relative humidity (without condensation and in working condition)

LCD display : backlit; 32 x 22 mm (128 x 64 pixels) LED: 1 light-emitting diode (LED) for additional results indication and warning messages

Audible signals : various audible signals in parallel with displayed messages and warnings

Data logger : last 10 tests

Power supply : 1 x battery CR123A, on-screen charging status display; a full battery can perform around 1,500 alcohol tests

Mouthpiece : in individual hygienic packaging

Calibration : calibration with wet or dry gas

Housing: ABS/PC shock resistant

Dimensions (W x H x D) : approx. 50 x 133 x 29 mm

Weight : approx. 130 g, battery included

Product description

The **Dräger Alcotest®3820** offers responsible drivers a reliable way to test their alcohol concentration in exhaled air. Choose a real Alcotest®! Use the know-how of the same manufacturer supplying the French police, operating over 30 million breath alcohol tests per year. Proven precision for 60 years: device derived from the one used by the police with the same technology.

▶ Fast and easy sampling

The measuring function simply activates with the backlit operating button. An optional beep tone makes it even easier to use. The device is ready to use in seconds and the alcohol test can be done immediately. The same button is used to navigate the menu.

▶ Replaceable mouthpiece

Protected by a cap, the mouthpiece is intuitively placed. A new tip has to be used for each person tested. Additional mouthpieces are available as accessories. Exhaled air goes through the device through the air duct, and only a sample of that air is analyzed.

This ensures the absence of residual alcohol in the device, as well as the accuracy and reliability of measurements. It is the same method used by the police. Delivered with 5 spare mouthpieces packed in individual hygienic packaging.



In accordance with the French Labor Code (Article L232-2), alcohol and drunkenness are prohibited in the workplace.

The Ministry of Labor authorizes the use of breathalyzers to stop dangerous situations related to alcohol.

In accordance with the French Driving Code (Article L.234), driving a vehicle under alcohol influence is punishable by a fine as is:

- Blood alcohol level equal to or greater than 0.20 grams per liter (ie 0.10 mg / l of exhaled air) for public transit vehicles.

- Blood alcohol level equal to or greater than 0.50 grams per liter (ie 0.25 mg / l of exhaled air) for other categories of vehicles.