

## Dräger Alcotest 6820

Alcotest 6820 is the logical successor to the successful Alcotest 6810. The compact hand-held measuring instrument Alcotest is quickly ready for use and is adaptable to international guidelines. With an even more sturdy enclosure and the proven Dräger sensor, Alcotest 6820 is a reliable partner for breath alcohol analyses.



### HIGH-QUALITY WORKMANSHIP

A professional breath alcohol testing device must be able to withstand some abuse. The Alcotest 6820 new design and quality workmanship make this unit ideal for use in demanding conditions. Thanks to its durable material it is highly resistant to rough weather conditions such as cold or moisture, and it satisfies protection class IP 54.

### HIGH USER COMFORT

Testing intoxicated people requires a high degree of concentration. This is where the true value of an easy to operate device comes into play. All measurement functions are controlled with a single button. Easily understandable full-text messages on a large, backlit display guide you safely through the alcohol test. An LED display and acoustic signals support the visual display and report the completion of a test measurement. Two menu buttons are used for navigation and the collection of statistical data.

### PROVEN QUALITY

Alcotest 6820 is also equipped with the proven electrochemical Dräger sensor. This sensor is characterised by very short response times coupled with precision and durability. Test results are always reliable regardless whether the temperature is  $-5^{\circ}\text{C}$  or  $+50^{\circ}\text{C}$ . Even with a high alcohol content, the sensor provides fast accurate results. And this is true for both active as well as passive measurements.

### PRACTICAL DESIGN

Alcotest 6820 offers a balanced, ergonomic design. Its compact form makes it especially easy to hold and operate with only one hand. The mouthpiece of the Alcotest 6820 unit is easily snapped into the holder even when it's dark thanks to its intuitive shape - regardless whether you are right-handed or left-handed or whether testing traffic moving on the right or left side of the road. The display is always in clear view. After use, the mouthpiece is just as easily and hygienically removed again.



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### „SLIDE'N'CLICK“ MOUTHPIECE

The patented Dräger mouthpieces prevent any manipulation attempts. The optional return valve simultaneously ensures maximum hygiene. Alcotest 6820 uses the same reliable mouthpieces such as Alcotest models 6510 and 6810.

### DATA PROCESSING AND DOCUMENTATION

The expanded memory capacity of Alcotest 6820 is able to record up to 5000 test results. An optical interface enables wireless transmission of data to the Dräger mobile printer directly on site. Data is transferable to the PC via USB connection and the same connection can be used to configure the device.

### OPTIONAL ACCESSORIES

A wide strap supports safe and comfortable use of the Alcotest 6820 testing device. The strap can be attached to your belt or around the wrist and secured with either buckles or Velcro. Reflectors make it easier to locate the device in the dark.



**TECHNICAL DATA**

Test method	Electrochemical Dräger sensor for 1/4" technology; alcohol-specific
Test range	0 to 2.5 mg/L; display indication when exceeding test range
Sampling	Standard: automatic sampling when minimum volume is reached Passive sampling or manual triggering of sampling possible
Ready for use	Approx. 2 s after powering up
Test result display	Approx. 3 s (with 0 mg/l), 10 s (at 0.5 mg/l, room temperature)
Operating temperature	-5 to +50 °C; -4 to +122 °F
Display	Graphic LCD display with background illumination; 41 mm x 24 mm (128 x 64 pixels)
LED	3 colours to indicate messages or alerts
Acoustic alarms	Different signal tones indicate various messages and alerts
Memory	Space for saving the last 5000 tests with test number, date and time
Power supply	Two AA batteries or NiMH batteries, battery indicator on the display. Around 1500 breath tests can be conducted with one set of batteries. Charging rechargeable NiMH batteries is possible in device
Calibration	Wet gas or dry gas calibration
Dimensions (H x W x D), weight	151 mm x 62 mm x 38 mm, approx. 195 g incl. batteries
Device configuration	Device settings configurable directly via device menu (PIN required). No additional PC software required
Vibration and impact	Meets EN 60068-2-6, EN 60068-2-27, EN 60068-2-64, MIL-STD 810F
CE marking	Directive 89/336/EEC (electromagnetic compatibility)
Data interfaces	USB to PC; optical interface for printer control
Standard	Meets EN 15964
Protection type	IP 54

**ORDERING INFORMATION**

Dräger Alcotest 6820 (test unit, 3 mouthpieces, 2 batteries, hand strap, plastic case)	83 22 660
Dräger Alcotest mouthpiece (Slide'n'click)	
Package with 100 pieces	68 10 690
Package with 250 pieces	68 10 825
Package with 1000 pieces	68 10 830
Dräger Alcotest mouthpiece (Slide'n'click) with return valve	
Package with 100 pieces	68 11 055
PSU (power source) 600 mA, 11 V, for charging NiMH batteries	83 16 991
12 V vehicle adaptor for charging NiMH batteries	83 20 252
PC connection cable for Dräger Alcotest Screener USB	83 19 715

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