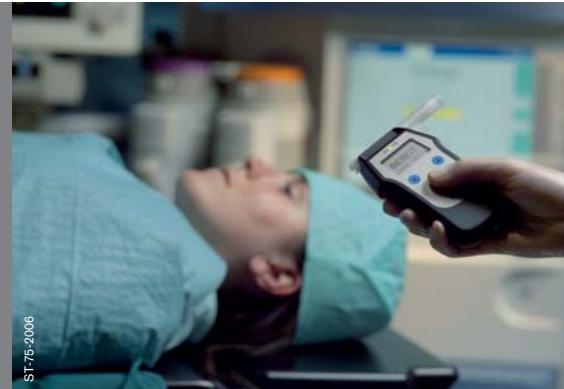


## Dräger Alcotest 6810 med

The Dräger Alcotest 6810 med is a special version of the proven Dräger Alcotest series. It has been designed for diagnostic applications, where the CE marking for medical products is necessary. In addition to the electrochemical DrägerSensors high quality and proven reliability, the Dräger Alcotest 6810 med offers a variety of features that ease daily practices within the medical field.



### Application areas

The Dräger Alcotest 6810 med has been adapted to determine breath alcohol concentrations especially in medical applications. It may be used, for example, to diagnose vascular injuries (about others in the urology during transurethral resections of the prostate) after previous application of an ethanol containing rinsing solution. It is also used for testing patients for previous alcohol consumption at the emergency reception area or before methadone substitution.

### Features

The speed and long-term stability of the electrochemical DrägerSensor leads to a short waiting time for the first measurement after the instrument has been turned on, a fast determination of the measured value and a small standard deviation. The illuminated instrument display with information such as test number, date, time, measurement result and error messages as well as the coloured LED and acoustical alarms guide the operator easily through the use of the instrument.

### Sampling

During the automatic measurement, which is activated by the breath sample, the breath flow is monitored and the minimum volume required is adjusted to ensure deep lung air is taken. The manually activated measurement makes measurements possible even with people who are not able to deliver intentionally a breath sample.

### Data storage

The integrated data memory can store 250 measurement results. Via the interface the results can be transferred into a PC after the measurement.

### CE marking as Medical Device

The Dräger Alcotest 6810 med has a CE marking according to the EU Directive 93/42/EEC for Medical Devices. According to this legislation, this CE marking is necessary for all applications involving "diagnosis, prevention, monitoring, treatment or alleviation of disease". The Dräger Alcotest 6810 med fulfils these requirements for applications such as during operations, at emergency reception areas or during methadone substitution.



Dräger Alcotest 6810 med

## TECHNICAL DATA

|   |  |
|---|--|
| Measuring principle   | Electrochemical sensor   |
| Measurement range   | 0 to 2.5 mg/L  |
| Sampling conditions (automatic measurement)                           | At the end of the breath sample  |
| Measurement accuracy<br>(standard deviation with an ethanol standard) | Breath flow: > 3 L/min<br>Breath volume: > 0.3 L<br>0 to 0.5 mg/L: ± 0.008 mg/L<br>> 0.5 mg/L: ± 1.7 % of measured value                                   |
| Sensitivity drift   | Typically 0.6 % of measured value per month  |
| Cross sensitivity to anesthetic gases                                 | None   |
| Calibration interval  | 6 months   |
| Functional test Weekly  | (recommended)  |
| Dimensions (W x H x D)  | 80 mm x 140 mm x 35 mm   |
| Weight  | Approx. 195 g  |
| Electrical supply   | 2 x 1.5 V Type Alkaline (Mignon, LR6, AA),<br>approx. 1500 measurements at room temperature, or<br>2 x 1,2 V NiMH rechargeable batteries (Mignon, LR6, AA) |
| Interface   | RS 232 interface for data transmission to a PC   |
| Classification  | Measuring instrument: Class I with measuring function  |
| as per Directive 93/42/EEC, Annex IX                                  | Mouthpieces: Class I   |
| UMDNS-Code  | 17-475   |

## ORDER INFORMATION

|   |           |
|---|-----------|
| Dräger Alcotest 6810 med (Measuring instrument, 3 mouthpieces, batteries, hand strap and case)                            | 83 19 080 |
| Mouthpieces (100 pieces) with non-return valve  | 68 11 055 |
| Set rechargeable battery, for use with rechargeable NiMH batteries (special battery cover, 2 rechargeable NiMH batteries) | 83 18 565 |
| Power supply for charging NiMH batteries inside of the Dräger Alcotest 6810 med   | 83 16 991 |
| Ethanol standard solution 1,21 g/L for functional test (500 mL)   | 67 28 838 |
| AlcoView, PC program for communication with the Dräger Alcotest 6810 med  | 83 17 915 |
| PC connection cable   | 83 19 715 |
| Dräger Mobile Printer   | 83 19 310 |
| Printer paper (5 rolls) 7 year shelf life   | 83 19 002 |
| Printer communication cable with Mini-USB for use with Dräger Mobile Printer  | 83 18 657 |

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