

Technical data	
Device:	
Measuring modes:	Active and passive
Measuring range:	0 to 5.5 ‰ BAC
Accuracy:	Max. Measuring error, in relation to the ethanol standard:
Range 0 to 1‰	± 0.05 ‰ absolute
Range 1 to 2‰	± 5 % of measured value
Range > 2‰	± 10 % of measured value
Standard Deviation	0.008‰
Ambient conditions:	
Temperature range – operation:	-5°C to +50°C / +23F to +122F
Temperature range – storage:	-20°C to +60°C / -4F to +140F
Optimum storage temperature (sensor):	0°C to +25°C / +32F to +77F
Ambient pressure:	600 to 1400 hPa
Ambient humidity:	20 to 98 % r.h.
Minimum expiration volume:	1.2 litres or depending on requirement
Batteries:	4 x LR6 (AA) Mignon cells
Number of measurements per battery pack:	more than 1600 tests, depending on the batteries and the ambient conditions
Device interface:	RS-232 (serial interface). Data can be transferred to a PC or printer.
Dimensions (L x W x H):	190 mm x 61 mm x 51 mm
Weight:	275 g incl. Batteries
Miscellaneous:	Ready to measure after switching on: approx. 6 sec. Ready to measure after 0 ‰ measurement: approx. 2 sec. Ready to measure after 1 ‰ measurement: approx. 5 sec.
Sensor type:	E100 electrochemical measuring cell
Cross sensitivities:	negligible for other substances, e.g. acetone, CO etc.
Measurement units:	all units used world wide configurable
Operation:	Menu-driven with clear text information
Input:	Three-key operation
Power-saving mode:	Device switches off automatically after 2.5 minutes of non-operation, the background lighting switches off after 15 seconds
Display:	Background illuminated, fully graphic
Data memory:	Stores 9999 measured values with date and time
Software:	Optional PC software for statistical analysis, data transfer and logging
Calibration:	Every 6 months

Order Information	Part number
AlcoQuant® 6020, breathalyzer with case	1000300
Transport case (275 mm x 230 mm x 83 mm)	1000644
25 mouthpieces with valve to prevent reverse breathing, hygienically single-packed	31-30-0022
Needle printer incl. rechargeable battery pack	1000616
5 rolls printing paper for printer	31-30-0026
Ink ribbon for printer, 1 ribbon	31-30-0079
Printer cable for connecting AlcoQuant® 6020 to the printer	1000518
Software Datamanager 6020 to transfer the data memory of the AlcoQuant® 6020 to the PC	1000520
PC cable for connecting AlcoQuant® 6020 to the PC (RS-232 SUB-D 9)	1000519
Thermal printer incl. rechargeable battery pack	1000977
Printer cable for connecting AlcoQuant® 6020 to the thermal printer	1000563

Technical information is subject to change without notice!



EnviteC specialises in the research, development and production of sensors and high-quality monitoring equipment. Its product range includes sensors and various devices for use in healthcare and the manufacturing industry, as well as in the field of safety technology. One of the best-known EnviteC products are for example alcohol breath analyzer used for traffic checks and monitors for medical applications.

EnviteC is one of the few manufacturers worldwide providing an alcohol breath analyzer that allows for alcohol concentration measurements even in persons that are unconscious. The product range also includes oxygen sensors for use in various types of respirators.

The latest EnviteC product lines of SpO₂ sensors and monitoring devices established themselves in the market in a very short time, and have become major contributors to the success of the company.

Contact us!

Do you have questions? Does your equipment have to cover very special requirements that you wish to discuss with us? Do you need a quote? We are looking forward to hearing from you!

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The EnviteC program

High-quality sensors, monitors, OEM modules, monitoring devices and accessories

Monitors

CO₂ – O₂ – SpO₂ – NIBP – Ethanol



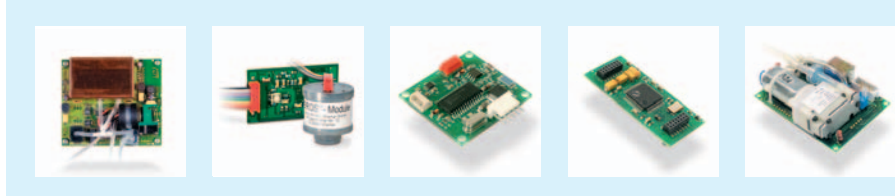
Sensors

O₂ – SpO₂ – Flow – Temp – FMT



OEM Modules

CO₂ – O₂ – Flow – SpO₂ – NIBP



Measuring devices and test instruments

Alcohol



AlcoQuant® 6020 – the compact alcohol breath analyzer

**Optimum safety
simple check**



Dokument-Nr. 059-33-0000040-9 © EnviteC-Wismar GmbH 10/2009 © 2009 Honeywell International Inc.

Advanced new Technology for comprehensive safety

Police · Customs and immigration · Coast guard · Drug rehabilitation clinics · Schools · Drug raids · Workplace safety · Juvenile detention centers

AlcoQuant® 6020

Accurate measurement of breath alcohol concentration

The new generation of alcohol breath analyzer

The AlcoQuant® 6020 sets new standards in accuracy, reliability and ease of use. This new generation of alcohol breath analyzer is more accurate, compact and is easier to use than our previous series. The benefits of the AlcoQuant® 6020 comes from practical situations and is suitable in a wide range of applications.

Intuitive Software makes the 6020 extremely user friendly allowing anyone to easily operate the unit

The operation of the AlcoQuant® 6020 is extremely easy. The intuitive menu is controlled with only three buttons. All relevant information such as device status, measured values and error messages appear in plain text on the backlit graphic display. The user interface is self guided and simple.

Assured reliability and performance

Latest sensing technology to ensure accurate measuring and device safety. The durable housing is designed according to ergonomic principles and ensures safe handling of the device. Upon start-up, the device completes an automatic self-test, and continuously monitors the sample-in process, so errors are detected instantly.

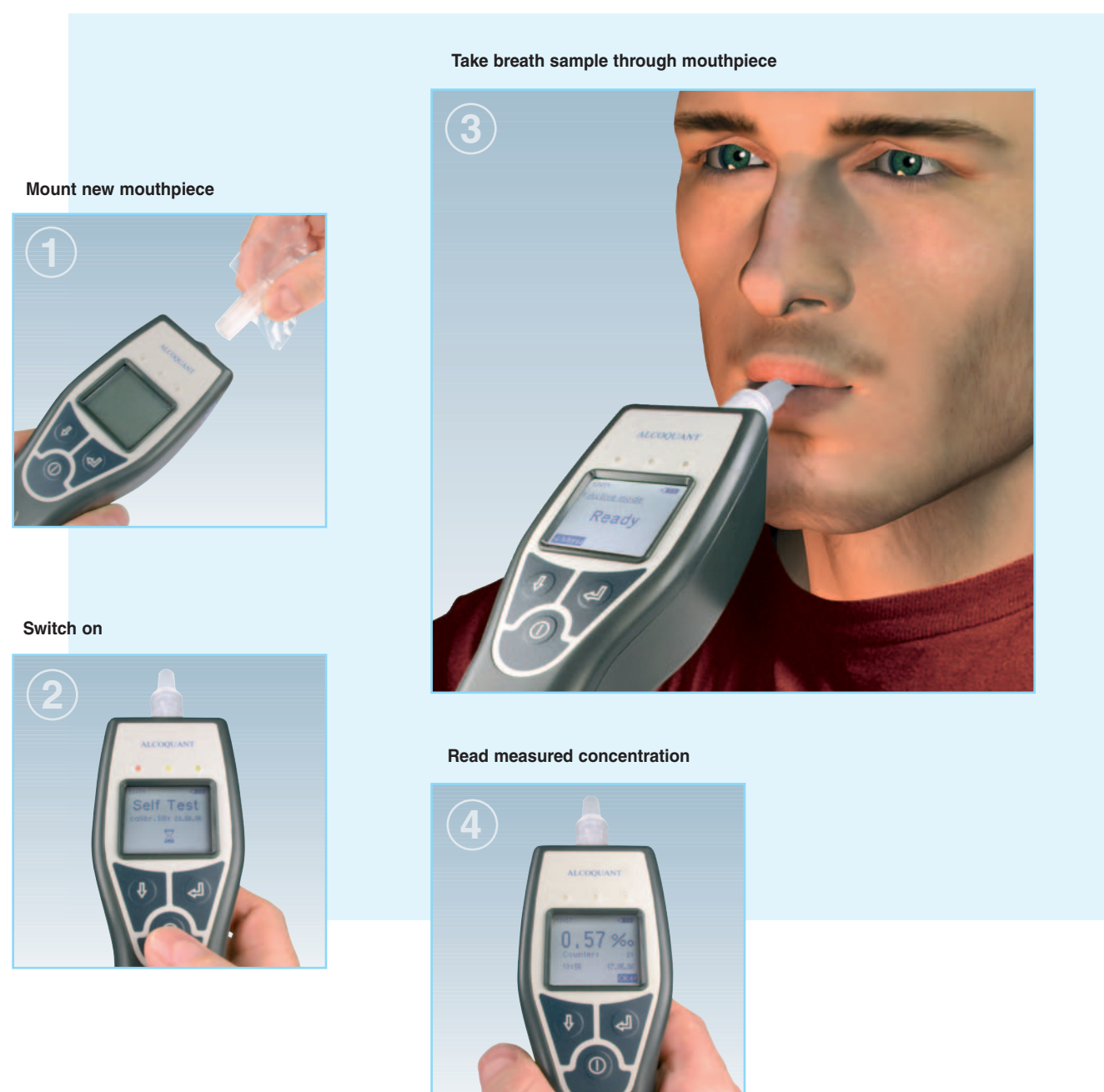


Reliable, accurate alcohol testing

AlcoQuant® 6020 – Only 4 steps required for an accurate breath alcohol analysis

Easy operation developed for practical use

The user interface is self-explanatory. The operator is continually informed of the device status in each step of sample analysis. Devices are equipped with data memory combined with PC interface to ensure that the recorded tests can be easily evaluated.



AlcoQuant® 6020

Offering you all the advantages of the latest generation of alcohol breath analyzer

Increased safety with new technology

Optimum precision is a must. In order to avoid incorrect measurements, the AlcoQuant® 6020 is equipped with only the most modern components. All devices of the AlcoQuant® series feature an electrochemical sensor that responds specifically to alcohol. A special micro-controller with evaluation software continuously checks all internal functions – before, during and after each sample. The effect of substances such as essential oils (of eucalyptus, peppermint, etc.) is practically eliminated.

Passive measuring mode

With a new sampling method, the AlcoQuant® 6020 has made breath alcohol concentration measurements even simpler, by removing the need for blowing into the mouthpiece. Breath samples can now be taken at the push of a button.

Maximum safety for the user

The special design of the AlcoQuant® 6020 allows the user to keep a maximum distance from the tested person. The user can have a look to the display without losing sight of the tested person while sampling. Because of the one-hand operation there is every time one hand of the user free for self protection.

Tamper-proof system

The new sampling system allows for short measuring times and short time intervals between measurements. During the sampling process, the AlcoQuant® device monitors the exhaled air, and detects any sample errors instantly.



Hygienic handling

- Easy exchange of mouthpiece
- Extremely hygienic for both users and persons tested
- Blown in exhaled air is directed away from the operator

Optimized measuring mode

- Ready for measurement within seconds
- Fast measurement
- Battery power delivers up to 1600 measurements

Enhanced graphic display

- Backlit display
- Enhanced ease of use for operator
- Improved visual display unit

Stability and design

- Durable housing
- Ergonomic handheld design

Improved user guidance

- Intuitive control with three buttons
- Extensive data memory (up to 9999 measurements)
- PC interface
- Comprehensive PC evaluation software

