AlcoQuant® 6020 plus

ENVITEC
by Honeywell

Compact breathalyzer for a wide variety of applications in roadside testing, workplace safety, and the rehabilitation programs

Accurate Measurement of Breath Alcohol Concentration

Breath Alcohol
Accurately Measured

Maximum reliability – simple testing

AlcoQuant® 6020 plus – the reliable companion in all alcohol-screening situations

The new generation with even easier operation and many new functions

With its remarkably intuitive menu, the new AlcoQuant® 6020 plus is even easier to use. Several new functions and configuration options ensure that the device is perfectly suited for practical use.

Lightweight, fast, simple, and reliable

The device can be operated with a single hand via three keys. The entire menu navigation is self-explanatory and immediately understandable with no learning phase. All messages and readouts are shown on the display in plain language. Optimal readability in both complete darkness and strong sunlight is guaranteed. The self-monitoring function, ergonomic design, and outstanding sensor technology ensure reliable results in any situation.

Device in original size

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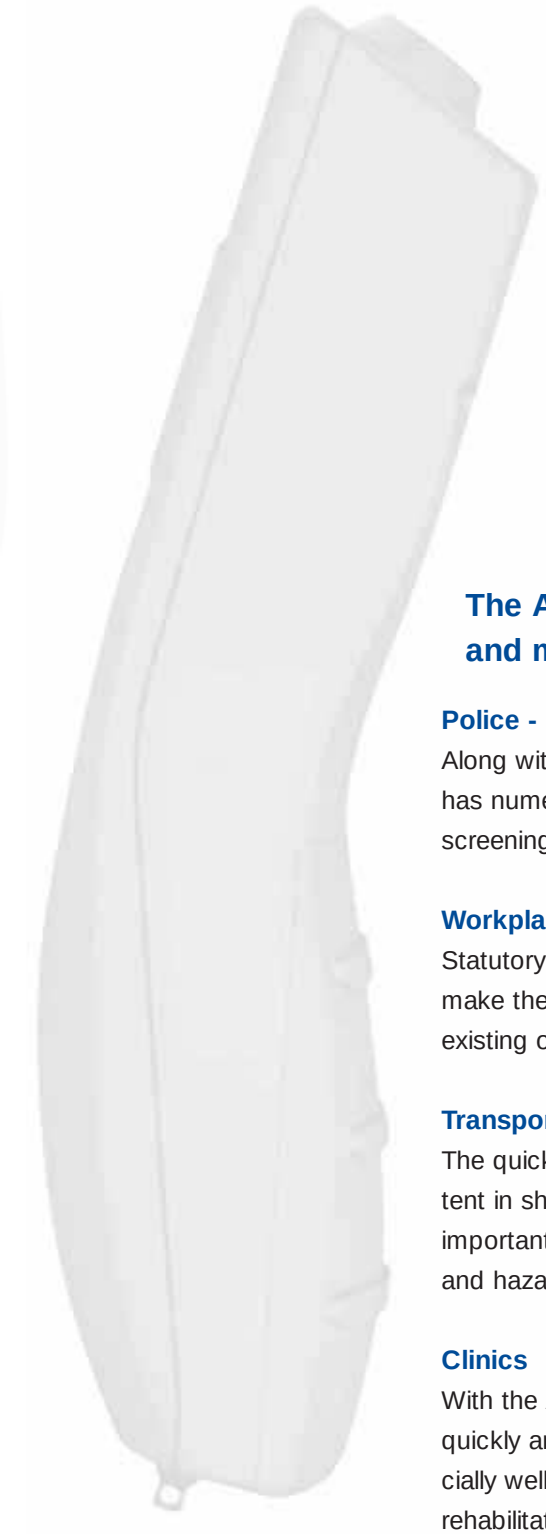
AlcoQuant® 6020 plus



The AlcoQuant® 6020 plus is extremely versatile and meets all applicable requirements

Police - Customs - Court

Along with its classic use in roadside testing, the device has numerous applications in all areas of official alcohol screening.

Workplace Safety

Statutory regulations and the associated duties of care make the AlcoQuant® 6020 plus an ideal addition to your existing occupational health and safety program.

Transport and Road Safety

The quick determination of a driver's blood alcohol content in shipping, air traffic, and long-distance traffic is an important issue, especially in the transport of passengers and hazardous materials.

Clinics

With the AlcoQuant® 6020 plus, subjects can be screened quickly and easily with maximum hygiene, making it especially well suited for community healthcare centers and rehabilitation clinics.

Wide Range of Functions

Simple and intuitive

User-friendly

- Very easy to configure
- Home-button function
- Practical soft-key function
- Straightforward menu

Simple data management

- Freely editable start text
- Flexible data structure
- Data storage with the option of additional data, such as temperature, breath volume, etc.
- Exceptionally fast data transfer via USB and RS 232 interface
- Data can be displayed in all languages
- Comprehensive Data Manager Software
- Adaptable PDF report
- Excel export function available

Intuitive Operation

PC Connection

Rapid Data Transfer

Highly Robust Design

Durable and reliable

Shock resistant

Water/Dust-tight

Certified

Robust construction

- IP 54 certified for water and dust resistance
- IK 03 impact strength
- Mouthpieces with certified biocompatibility

Certified Safety

- Complies with EU standard EN 15964
- Approved by acknowledged test methods
- Reliable operation
- Maximum device safety

AlcoQuant® 6020 plus

Optimal Handling

Reliable and practical

All data at a glance - large display
- Extra-large numbers for reliable readouts
- Very high resolution
- Intuitive presentation of all values
- Backlit display
- High contrast in bright sunlight

Easy to use - only 3 keys
- Large and simple keypad
- Backlit keys

Easy to handle
- Ergonomic design
- Single-handed operation

Economical and battery-efficient
- Approx. 2,000 measurements with one set of batteries
- Energy-saving management
- Optimized battery life
- Optional NiMH rechargeable battery

Optional wireless thermal printer
- Wireless data transfer to the printer, mobile printing - directly on the spot

Backlit Keypad

Easy to read in Sunlight

Optional Wireless Printer

Optimal Availability

Cost-efficient, customized, reliable

Configuration for every requirement

- Flexibility through simple update function
- Pre-configurable according to customer's requirements

Self-calibration

- Dry-gas or wet-bath calibration
- Test mode to the thousandth decimal place
- Detailed calibration instructions

Simple servicing

- PIN-protected
- Flow test mode
- Quick updates via USB
- Detailed servicing instructions

Wet-Bath Calibration

Dry-Gas Calibration

Fast Calibration

EnviteC has been developing and producing highly specialized medical devices for the healthcare industry for more than 20 years. Since 2006, EnviteC has been a subsidiary of the technology company Honeywell, one of the world's largest manufacturers of sensors.

Made in Germany

Our cutting-edge research and development work is consistently in line with market needs. All development activities and the majority of production are carried out in Germany - with exceptional quality. EnviteC proves that it is possible to not only develop, but also manufacture top-quality products cost effectively in Germany.

At the technological forefront

EnviteC has its own development department, which is a core part of the company, and cooperates closely with technology institutes in Germany and abroad.

Contact us!

Do you have any questions or special requirements? Would you like to request a consultation appointment or a quote? We look forward to hearing from you.

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Technical specifications AlcoQuant® 6020 plus

Measuring modes:	Active and passive
Measuring range:	0 to 5.5‰ BAC*
Accuracy:	Max. measuring error in relation to the ethanol standard (in the temperature range of -5 °C to 45 °C)
- Range 0 to 1‰:	± 0.05‰ absolute
- Range > 1 to 2‰:	± 5 % of measured value
- Range > 2‰:	± 10 % of measured value
Ambient conditions:	
- Temperature range - operation:	-10 °C to +50 °C
- Temperature range - storage:	-25 °C to +70 °C
- Optim. storage temperature (sensor):	0 °C to +25 °C
- Ambient pressure:	600 to 1400 hPa
- Ambient humidity:	20 to 98% r.h.
- Minimum expiration volume:	1.2 liters
Batteries or rechargeable battery (optional):	4 x LR6 (AA) Alkaline Mignon (recommended: Duracell® Procell®) or EnviteC rechargeable battery NiMH 4.8V (4x2100 mAh)
Battery charger (optional):	Protection class II Input: AC 100–240 V/50–60 Hz/93 mA Output: DC 5,6 V/500 mA/2,8 VA
Charging time:	Approx. 4 hours
Number of measurements per battery pack/accumulator charging	Approx. 2,000 measurements, depending on battery type and ambient conditions
Device interface:	USB and RS-232 interface; data can be transferred to a PC Optional: Wireless interface (IEEE 802.15.1) for usage with wireless printer
Dimensions (L x W x H):	195 mm x 60 mm x 47 mm
Weight:	275 g incl. batteries
Protection class:	IP 54
Impact strength:	IK 03
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, etc.
Measurement units:	Configurable by user: ‰, mg/l (additional upon request)
Input:	Three-key operation
Power-saving mode:	Menu settings for automatic device switch-off and backlighting switch-off (“auto-off”)
Display:	Backlit, fully graphic
Data storage:	Stores 9,999 measured values with date and time
Mouthpieces:	Single-use EnviteC mouthpiece (Types S and D)
Software:	PC software for statistical analysis, data transfer, and logging
Calibration:	Every six months
Standard:	DIN EN 15964

All specifications apply to standard conditions:
Ambient pressure 1013 hPa, 25°C dry ambient air.

Specifications subject to change.

*AlcoQuant 6020plus measures breath alcohol concentrations. The blood alcohol concentrations (BAC) have been calculated using a conversion factor of 1:2100 (Germany) in the device. It should be noted, that the conversion factor may varies by country.

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