BREATH ALCOHOL ACCURATELY MEASURED

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

AlcoQuant 6020 plus



Honeywell

ACCURATE MEASUREMENT OF BREATH ALCOHOL CONCENTRATION

Exceptional reliability – simple testing.
AlcoQuant® 6020 plus – is the reliable and accurate companion for alcohol screening applications.

PRECISION YOU CAN TRUST. PERFORMANCE YOU CAN RELY ON.

The AlcoQuant 6020 plus delivers fast, accurate alcohol screening in a rugged, field-ready design. Built for today's safety-critical environments, it combines advanced sensor technology with intuitive operation — empowering teams to act quickly and confidently. Built on a platform and trusted by law enforcement for over two decades.

Designed for Real-World Demands

Lightweight and ergonomically engineered for single-hand operation, the device features streamlined three-button navigation and a clear, multilingual display. Whether used in low-light conditions or direct sunlight, results remain easy to read and immediately actionable.

Intelligent Technology. Reliable Results.

Equipped with advanced sensor performance and integrated self-monitoring diagnostics, the AlcoQuant 6020 plus is designed to deliver consistent, precise measurements across a wide range of environments. Multiple configuration options allow customization to meet workplace policies, regulatory requirements, and operational workflows.

Efficient. Compliant. Ready When You Are.

From routine workplace screening to safety-sensitive testing applications, the AlcoQuant 6020 plus supports efficient testing programs without compromising accuracy or reliability.



Actual size: 195 mm [7 in]





VERSATILE BY DESIGN. TRUSTED ACROSS INDUSTRIES.

The AlcoQuant® 6020 plus is engineered to meet rigorous regulatory standards while adapting to diverse testing environments. From public safety to workplace compliance, it delivers fast, accurate screening results wherever accuracy matters most.



Law Enforcement & Government Agencies

Police • Prison & Probation • Courts

Built for official alcohol screening, the AlcoQuant® 6020 plus supports roadside enforcement and established testing protocols with reliable, repeatable measurements. Its precision sensor technology and configurable settings are designed to deliver dependable results for a wide range of screening applications.



Workplace Safety & Compliance

Modern safety programs demand proactive risk management. The AlcoQuant® 6020 plus strengthens occupational health initiatives by enabling fast, hygienic screening that supports statutory requirements and duty-of-care obligations – helping protect both employees and operations.



Transport & Road Safety

In passenger transport, aviation, maritime operations, and hazardous-material handling, safety is non-negotiable. The AlcoQuant® 6020 plus allows rapid alcohol screening to help reduce risk, maintain compliance, and safeguard public trust. Use of breath-alcohol testing equipment in these sectors may be subject to additional regulatory requirements. Customers should verify device suitability with the applicable regulatory authority before deployment.

The AlcoQuant® 6020 plus is a screening instrument. Suitability for evidentiary, legal, or regulatory purposes depends on jurisdiction-specific type-approval requirements. Customers are responsible for verifying that the device meets applicable legal and regulatory standards in their jurisdiction before use in legal, regulatory, or adjudicatory proceedings.



LANGUAGES SUPPORTED*

- Albanian
- Bosnian
- Chinese Simple
- Chinese Traditional
- Croatian
- Czech
- Dutch
- English – AUS
- English – GB
- English – US
- Finnish
- French
- German
- Greek
- Italian
- Latvian
- Lithuanian
- Macedonian
- Norwegian
- Polish
- Portuguese
- Romanian
- Russian
- Serbian
- Slovak
- Spanish
- Swedish
- Thai
- Turkish
- Ukrainian

** available languages depending on specific customer configuration*

SIMPLE & INTUITIVE FUNCTIONALITY



User friendly

- Very easy to configure
- Home-button function
- Practical, soft-key function
- Easy-to-understand 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 multiple languages
- Comprehensive Data Manager Software
- Adaptable PDF report
- Excel export function available

Robust connection

- IP54 certified for water and dust resistance
- IK03 impact strength
- Mouthpieces with certified bio-compatibility

Printing options

- Cable-based printer
- Wireless thermal printer (can also print with cable)
- Wireless data transfer to the printer, mobile printing – directly on the spot

All data at a glance - large display

- Extra-large numbers for reliable readouts
- High resolution
- Intuitive presentation of all values
- Backlit display
- High contrast in bright sunlight

Easy to use and handle – only three keys*

- Large and simple keypad
- Backlit keys
- 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 rechargeable battery
- Chargeable inside the device

Certified quality and accuracy

- Complies with EU standard EN 15964:2011
- Australian standard AS3547:2019
- Approved by standardized test methods
- Manufactured under ISO 13485 quality management standards. This device is not intended for medical diagnostic purposes
- Product is audited by BSI

Configuration and calibration ease

- Flexibility through simple update function
- Pre-configurable according to customer's requirements
- Dry-gas or wet-gas calibration
- Accuracy test mode with additional decimal digit
- Detailed calibration instructions

Simple servicing

- PIN-protected
- Flow volume test mode
- Quick updates via USB and RS-232
- Detailed servicing instructions

** Proper operation requires familiarity with the device and applicable testing protocols. Users should complete appropriate training before conducting tests for legal, regulatory, or workplace compliance purposes.*

TABLE 1. TECHNICAL SPECIFICATIONS

Characteristic	Measure	
Measurement modes	Active and passive	
Measuring range	0 to 5.5 ‰ BAC* 0 to 2,62 mg/L BrAC	
Accuracy	Max. measuring error in relation to the ethanol standard (in -5°C to 40°C temperature range)	
	Range 0 to 1 ‰	±0.0500 ‰ absolute ±0.0238 mg/L BrAC
	Range > 1 ‰ to 2 ‰	±5 % of measured value
	Range > 2 ‰	±10 % of measured value
Batteries or rechargeable battery (optional)	4 x LR6 (AA) Alkaline Mignon (recommended Duracell® Procell®) or EnviteC rechargeable battery NiMH 4.8 V (2000 mAH)	
Battery charger (optional)	Protection class II Input: 100 Vac to 240 Vac/50 Hz to 60 Hz/98 mA Output: 5,6 Vdc/500 mA/23.8 VA	
Charging time	4 hours (approximate) Note: 15 minutes of charging enough to make some measurements at empty battery	
Number of measurements per battery pack/ accumulator charging	Approx. 2000 measurements, depending upon 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 use with a wireless printer	
Dimensions	195 mm L × 60 mm W × 47 mm H	
Weight	275 g, including batteries	
Protection class	IP54	
Impact strength	IK06	
Ready to measure after switching on	<10 seconds	
Ready to measure after 0 ‰ measurement	2 seconds (approximate)	
Ready to measure after 1 ‰ measurement	5 seconds (approximate)	
Sensor type	E100A electrochemical measuring cell	
Cross sensitivities	Negligible for other substances (e.g., acetone, etc.)	
Measurement units	Configurable by user: ‰ BAC, % BAC, g/L BAC, g/210/L, mg/L BrAC (additional units upon request)	
Input	Three-key operation	
Power saving mode	Menu settings for automatic device switch-off and back lighting switch-off (auto-off)	
Display	Backlit, fully graphic	
Data storage	Stores 9,999 measured values with date and time	
Mouthpieces	Single-use EnviteC mouthpiece (Type S)	
Software	PC software for statistical analysis, data transfer and logging	
Calibration	Every 6 to 12 months**	
Standard	DIN EN 15964: 2011 and AS3547:2019	

All specifications apply to standard conditions:

Ambient pressure 1013 hPa, 25°C dry ambient air. Actual performance may vary based on environmental factors including temperature, humidity, and altitude.

*AlcoQuant 6020 plus measures breath alcohol concentrations. Blood alcohol concentrations (BAC) displayed by the device are calculated using default conversion factor of 1:2100 (Germany). The applicable conversion factor varies by country and jurisdiction. Customers must verify and configure the correct conversion factor for their jurisdiction before use. Use of an incorrect conversion factor will produce inaccurate BAC readings.

** depending on local regulations.

Engineering Excellence. Backed by Global Strength.

For more than two decades, EnviteC has developed and manufactured highly specialized medical and gas sensing technologies trusted worldwide. Since becoming part of Honeywell in 2006, EnviteC combines German engineering precision with the global resources, scale, and innovation leadership of one of the world's foremost sensor manufacturers.

Made in Germany. Designed for the World.

Research, development, and the majority of manufacturing take place in Germany, ensuring uncompromising quality standards and precision craftsmanship. Our teams continuously align innovation with evolving regulatory requirements and market needs — delivering reliable, high-performance solutions across industries.

By uniting advanced engineering with efficient production, EnviteC demonstrates that premium technology and cost-effective manufacturing can go hand in hand.

Innovation Through Collaboration

Our in-house development department forms the core of our technological leadership. Close partnerships with leading research institutes and global technology organizations ensure we remain at the forefront of sensor and medical device innovation.

Let's Connect

Whether you need expert guidance, customized solutions, or a detailed quotation, our team is ready to support you.

Contact us to discuss your requirements and discover how the AlcoQuant® 6020 plus can support your program.

For more information

Honeywell Sensing Solutions services its customers through a worldwide network of sales offices and distributors. For assistance, current specifications, pricing, or the nearest Authorized Distributor, visit automation.honeywell.com/hss or call:

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WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While Honeywell may provide information or engineering support for its products through Honeywell personnel, literature and website, it is the buyer's sole responsibility to determine the suitability of the Honeywell product(s) for the buyer's requirements

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

⚠ WARNING
MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions available for download at the Honeywell website.

Failure to comply with these instructions could result in death or serious injury.

SAFETY NOTE

This device is designed to be used in safety critical applications. To ensure that the sensor and/or instrument in which it is used, are operating properly, it is a requirement that the function of the device is confirmed by periodic calibration and maintenance. Failure to carry out such tests may jeopardize the safety of people and property.

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