

Advanced

Technology for Comprehensive Safety



Alcohol

AlcoQuant® 6020

The compact breathalyzer
Reliable and accurate
Simple to use
Hygienic handling

Safety technology

AlcoQuant 6020 - Technical Specifications

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 R6 (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 38 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.
Mouthpiece holder:	Depends on mouthpiece (type S or D)
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
Subject to technical modifications!	

Ordering information

AlcoQuant® 6020 <i>Breathalyzer with case, 4 AA-Alkaline batteries, 25 mouthpieces, operating instruction</i>	1000300
Accessories	
Transport case <i>275mm x 230mm x 83mm</i>	1000644
Mouthpieces S-Typ <i>Mouthpieces with valve to prevent reverse breathing, 25 pieces hygienically single-packed</i>	31-30-0022
Printer <i>Needle Printer incl. Rechargeable battery pack, scope of supply: Printer, printer cable, charger, 1 roll of printing paper</i>	1000616
Printing paper <i>5 rolls paper for Printer</i>	31-30-0026
Ink ribbon for printer <i>1 ribbon</i>	31-30-0079
Printer cable 25pol. <i>Cable for connecting AlcoQuant 6020 to the Printer</i>	1000518
Software "Datamanager 6020" <i>Software to transfer the data memory of the AlcoQuant 6020 to the PC</i>	1000520
PC cable <i>Cable for connecting AlcoQuant 6020 to the PC (RS232 SUB-D 9)</i>	1000519

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