



Reliable and accurate
Simple to use
Optimum safety

AlcoQuant® 6020 – The safer breathalyzer

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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 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.	
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	31-30-002
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	1000971
Printer cable for connecting AlcoQuant 6020 to the Thermal printer	1000563

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