

breathalyser



AlcoTrue[®] M Breathalyser

Professional breathalyser for rapid accurate determination of breath alcohol concentration for medical use

Ideal for use by

- Emergency Services including paramedics
- Rehabilitation Clinics
- Accident and Emergency Departments



Key Features

- Professional fuel cell technology
- Precision intelligent microprocessor sampling system
- Automatic self-test after switched on
- Rapid, precise and reliable measurements, even at sub-zero ambient conditions
- Intuitive user interface
- Ready to test < 6 seconds
- Results are shown on a colour OLED display
- Compact, ergonomic design
- Low maintenance and spare part costs
- PC software included



Professional Breathalyser for rapid accurate determination of breath alcohol concentration in exhaled air. AlcoTrue M is for diagnostic use, e.g. hospitals and rehabilitation clinics



AlcoTrue M Standard Package

- AlcoTrue M Breathalyser
- 25 mouthpieces
- AA battery case
- 4 x AA batteries
- Instructions for use
- Small hard carry case

Small Carry
case Image

Key Features of the AlcoTrue M Breathalyser

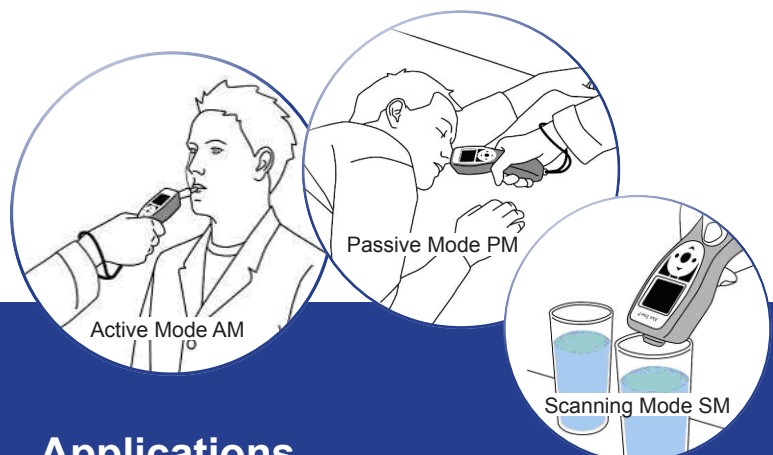
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Measurement Modes

The **AlcoTrue M** provided five measurement modes, ideal for any situation:

- Active mode AM
- Fast mode FM
- Passive mode PM
- Scan mode SM*
- Mouth alcohol mode MA*

* Measurement modes only available if activated.



Applications

The AlcoTrue Professional Breathalyser is ideal for use by:

- Accident and Emergency Departments
- Emergency Services including paramedics
- Rehabilitation Clinics



AlcoTrue M Breathalyser Kit

- AlcoTrue M Breathalyser
- AA battery case
- 4 x AA batteries
- Li-Poly battery
- UK or EU* main power adapter with USB cable
- Vehicle power adapter
- 25 mouthpieces
- AlcoPrint printer
- Printer cable
- UK or EU* mains power cable
- Vehicle power cable
- Single roll of printer paper
- PC software & USB cable
- Large hard carry case

* Must be specified at time of ordering.



The AlcoPrint Printer

The **AlcoTrue M** Breathalyser Kit includes a AlcoPrint USB wireless printer, this can printer wirelessly from a range of 5 - 10 metres or connected directly to the unit with the USB cable provided. The AlcoPrint printer is powered by a vehicle or mains* power cable (provided).

The Printer Set is also available to purchase seperately and includes: AlcoPrint Printer, Printer Cable, UK or EU* Mains and Vehicle adapter and a roll of printer paper.

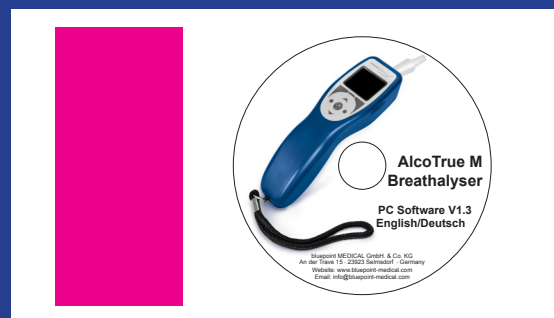


AlcoPrint USB Wireless Printer

PC Software Kit

The **AlcoTrue M** PC Software Kit includes a USB cable and PC software CD.

The PC Software CD is also available without the USB cable.



PC Software

Additional Accessories

Mouthpieces are available in packs of 25.

AlcoPrint paper rolls are available in packs of 5, each roll allows approximately ??? printed readings.

Should you require single pieces please do not hesitate in contacting us.



Mouthpieces and AlcoPrint paper rolls

AlcoTrue® M Breathalyser

Sensor type	A318 Electrochemical sensor
Sampling systems	High precision sampling system 0.2ml
Measurement modes	Active mode (default) Fast mode (activated) Passive mode (activated) Mouth alcohol mode (if activated) Scanning mode (if activated)

Measurement range	
Breath alcohol concentration (BrAC)	0.00 to 2.6 mg/L, 0 to 2600 µ/L, 0.000 to 0.550 g/210L, 0 to 260 µg/100mL, 0 to 260 µg%
	(Ethanol mass per breath volume at 34°C and 1013 hPa.)

Blood alcohol concentration (BAC)	0.00 to 5.50‰, 0.000 to 0.550 ‰, 0.00 to 5.50 g/L 0 to 550 mg/100mL, 0 to 550 mg%, 0.00 to 5.50 mg/mL
	(Ethanol mass per blood volume resp. mass at 20°C and 1013 hPa)

This data is given using a conversion factor of 2100:1 between breath - and blood alcohol concentrations. Other conversion factors are available upon request.

Ambient conditions	
For operations	-5 to 50°C (23 to 122°F), 10 to 100 R.H., 600 to 1400 hPa
For storage	-20 to 65°C (-4 to 149°F)

Sample conditions	
Minimal acceptable flow	Adjustable upon request, 12 L/min (set as default)
Minimal volume	Adjustable, 1.2L (set as default)

Measurement accuracy			
Reproducibility with ethanol standard			
0 to 0.476 mg/L	0.008 mg/L	0 to 1‰	0.017 mg/L
> 0.476 mg/l to 1 mg/L	4% of measured value	> 1 ‰. to 2 ‰.	4% of measured value
> 1 mg/L	8% of measured value	> 2 ‰.	8% of measured value

Sensitivity drift of measured value/month	Typically 0.5%
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Ready for operation	
After switching on	<6 seconds
After completing a measurement in range (breath alcohol unit):	Typically
	0.00 mg/L ≤ 2 seconds
	0.25 mg/L ≤ 4 seconds
	0.50 mg/L ≤ 6 seconds
	1.00 mg/L ≤ 10 seconds
	>1.5 mg/L ≤ 15 seconds
After completing a measurement in range (blood alcohol unit):	
	0.00‰ ≤ 2 seconds
	0.50‰ ≤ 4 seconds
	1.00‰ ≤ 6 seconds
	2.00‰ ≤ 10 seconds
	>3.00‰ ≤ 15 seconds

Dimensions (W x H x D)	185 mm x 55 mm x 40 mm
Weight	240g (including Alkaline batteries) 195g (including Li-Poly battery)
Display	OLED, 256,000 colours
Data memory	Up to 9999 measurements
Calibration required	12 months

CE 0482

Distributed by:



Viamed Limited · 15 Station Road · Cross Hills
Keighley · West Yorkshire · BD20 7DT · United Kingdom
Tel: +44 (0)1535 634 542 Fax: +44 (0)1535 635 582
Email: info@viamed.co.uk Website: www.viamed.co.uk



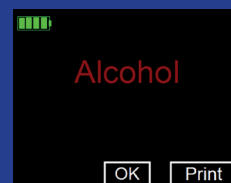
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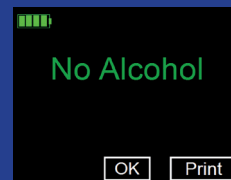
BS EN ISO 9001:2008
ISO 13485:2003

Screen Displays

Qualitative results indications (Scanning and Mouth Alcohol modes)

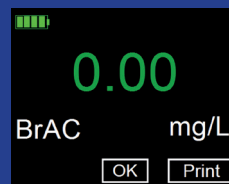


Alcohol detected in gas sample

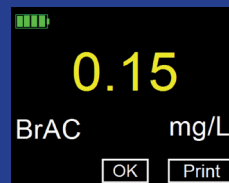


No alcohol detected in gas sample

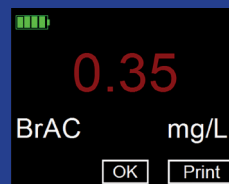
Quantative results indications (Active, Fast, Passive and Mouth alcohol modes)



Pass



Alert



Fail