

breathalyser



AlcoTrue[®] M Breathalyser

Professional breathalyser for rapid accurate determination of breathalcohol concentration for medical use



Key Features

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



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 µL, 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)
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This data is given using a conversion factor of 2100:1 between breath - and blood alcohol concentrations. Other conversion factors as 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
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Weight	240g (including Alkaline batteries) 195g (including Li-Poly battery)
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Display	OLED, 256,000 colours
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Data memory	Up to 9999 measurements
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CE 0482

Distributed by:



Part Number: ???????
Date: 12/12



VIAMED

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BS EN ISO 9001:2008
ISO 13485:2003



Screen Displays

