

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

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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)			
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%			
Ready for operation				
After switching on	<6 seconds			
After completing a measurement in range (breath alcohol unit):				
0.00 mg/L	Typically ≤ 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			

€ 0482

Distributed by:



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



VIAMED

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