

# Wall Mounted Breathalyser



## Features

- Designed and manufactured in Australia
- Australian Standards certified for a period of 6 months
- Automatic self-calibration with internal reference gas
- High throughput - 10 seconds test to test
- User programmable scrolling messages
- Configurable via PC program or internal menu
- Data logging functionality with download via PC program
- Steel case for extra security
- Separate mounting bracket for easy installation
- Internal straw holder with locking mechanism
- Coin box and service access with separate locking mechanism
- High visibility display
- Easy to follow instructions on screen and front of case
- Automatic compensation for changes in atmospheric pressure
- Highly configurable for access control integration
- Optional user identification and validation
- Optional email and database connectivity
- Optional printer or coin mechanism
- Optional built in camera for user identification

The AlcoMeasure WM1 is an industrial grade wall mounting breathalyser that has been specifically designed for high workplace throughput and high accuracy. It provides integration with access control systems, optional email alerts and database connectivity, or vending for hospitality.

Comes with **AlcoMeasure Utility** desktop application for configuration and data downloads.

Can be combined with **AlcoMeasure Server** device management software for managing data, notifications, and providing powerful searching tools.

## Specifications

Size and Weight	Height: 535 mm, Width: 380 mm, Depth: 135 mm Weight: 13.5 kg
Power	85 – 264 V AC, 47 – 63Hz, 20W max consumption
Sensor	Alcohol specific Honeywell electrochemical cell
Total Test Time	10 seconds at 0.000 g/210L with fast recovery enabled (default)
Response Time	3 seconds at 0.000 g/210L
Recovery Time	2 seconds at 0.000 g/210L, 60 seconds at 0.100 g/210L
Operating Temperature	0°C – 45°C, relative humidity 30%-90% non-condensing Optimal environment is air conditioned at approximately 24°C
Storage Temperature	-10°C – 70°C
Units of Measure	User selectable: g/210L (default); g/100mL; % BAC; Promille w/w; Promille w/v; mg/mL; g/L; mg/100mL; µg/L; µg/100mL; mg/L; g/230L
Measurement Resolution	Increments of 0.001 g/210L
Detection Range	0.000 – 0.300 g/210L
Accuracy	Better than ±0.005 at 0.000 to 0.050 g/210L Better than ±10% above 0.050 g/210L
Sample Volume	1.0 L
Flow Rate	9 L/min to 36 L/min
Calibration Period	Calibration period is 6 months or 50,000 tests, whichever occurs first.
Self-adjust function	Self-calibration will occur every 24 hours, skipping up to 2 self-calibrates if low usage is detected.
Masking Capability	0.006 g/210L
Display	Sunlight-readable 17 character LED display, 280mm x 18mm
Connectivity	3 x RS232 serial ports 1 x USB Mini-B connector 1 x USB Standard-A (Firmware Update Only) 1 x Ethernet connector 1 x SD Card holder (FAT32)
Certifications	AS 3547:2019 Breath alcohol testing devices – Type 3 AS/NZS 3100:2017 Approval and test specification - General requirements for electrical equipment AS/NZS 61000.6.3:2021 Electromagnetic compatibility (EMC) Generic standards - Emission standard for equipment in residential environments

## Manufacturer

Manufactured in Australia by All-Systems Electronics Pty. Ltd.  
Website [www.all-systems.com.au](http://www.all-systems.com.au)

## Distributor

Distributed in Australia by Breathalyser Sales & Service Pty. Ltd.  
Telephone +61 2 8338 1555  
Email [admin@breathalyser.com.au](mailto:admin@breathalyser.com.au)  
Website [www.breathalyser.com.au](http://www.breathalyser.com.au)

## Ordering Information

To order, call or email Breathalyser Sales & Service.

Part Number	Description
WM1 Standard	The standard WM1 model
WM1 Evidential	Evidential style model. Comes fitted with printer, keypad and formal test mode
WM1 Vend	Vending model. Comes fitted with universal, user configurable, coin mechanism
Live Option	Email notifications, ability to connect to external monitoring software, user list, formal test mode, HTTP command API. Can be added to any model
Keypad Option	Keypad can be added to any WM1 model
iButton Reader Option	An iButton reader for user identification can be added instead of a keypad
iButton key fob	iButton key fob for issue to employees
RF IDEas pcProx Card Reader Option	Proximity card reader for user identification
Alarm Beeper Option	Beeper that sounds when a high reading is obtained
Camera Option	Front-mounted camera for enhanced user identification
AlcoMeasure Utility	Standalone software for configuring and downloading data from AlcoMeasure devices
AlcoMeasure Server	Standalone software that collates data from connected AlcoMeasure devices, provides browser-based interface for searching log results, and provides email notifications

## Dimensions

