



[www.breathalyseradt.com.au](http://www.breathalyseradt.com.au)

## KY-8300

### Breath Alcohol Analyzer

- ▶ With ergonomic design, safe and easy to use for reliable and precise testing results
- ▶ Specially designed for vehicle drivers' personal use to guarantee their security as well as the road safety.
- ▶ With the evidential breath alcohol measurement technology applied, it realizes the high performance price ratio.



P: +612 4577 9347  
F: +612 4587 7786  
E: [info@austdynatech.com.au](mailto:info@austdynatech.com.au)

ABN: 59 064 093 705  
5 Aspinall Place Mulgrave NSW 2756  
PO Box 94 Windsor NSW 2756



# KY-8300

Using Fuel Cell Technology and designed for personal use, the KY-8300 is a handheld instrument used to determine a subject's breath alcohol level quickly and precisely.

## Product Features

- ▶ **UK made Electrochemical/Fuel cell Sensor:** Highly specific to alcohol, unaffected by other breath contaminants.
- ▶ **Quick and Precise Analysis:** 32- embedded processor secures high performance of the system.
- ▶ **Data Handling Ability:** Compact gas Circuit design and advanced analysis process assure fast, accurate and stable testing performance.
- ▶ **Power Supply:** Built-in Li-Ion battery realises reliable and long-time testing action.
- ▶ **Memory Capacity:** Data storage of 4096 test results which can be downloaded to the computer for data backup.
- ▶ **After sales service:** Independent intellectual property rights integrated with research, development and production ability guarantee strong after-sales service.

## Technical data

Details	Technical data	
Principle of measurements	Electrochemical/fuel cell sensor, alcohol specific	
Measurement range (BrAC)	00.000mg/L~1.500mg/L	
Resolution	0.0001 mg/L	
Accuracy: Max. Measure error, in relation to ethanol standard	Ethand Vapor Concentration C/(mg/L)	Deviation
	$C < 0.400$	$\pm 0.20 \text{ mg/L}$
	$0.400 \leq C < 1.000$	$\pm 5\%$
Repeatability of Indicating Value	$C \geq 1.000$	$\pm 20\%$
	Ethanol Vapor Concentration C/(mg/L)	Deviation
	$C \geq 1.400$	0.007 mg/L
	$0.400 \leq C < 1.000$	1.75%
	$C \geq 1.000$	6%
Calibration	Every 6 months	
Temperature Range-Operation	$-5^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Temperature Range-Storage	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$	
Optimum Storage Condition	Temperature $20^{\circ}\text{C} \pm 5$ , Humidity: $< 80\% \text{ RH}$ , Pressure: $86 \text{ kPa} \sim 106 \text{ kPa}$ , No vapor or electromagnetic disturbances in the environment are influencing the normal working conditions of the device.	
Blowing Time	2.5 seconds (breath flow $\geq 20 \text{ L/min}$ )	
Warm-up Time	Less than 5 seconds after switching on	
Recovery Time	5 seconds to 5 minutes, depends on Ethanol Vapor Concentration	
Analysis Time	Less than 10 seconds	
Display	128x64 dot matrix black and white screen	
Dimensions	Approx. 127mmx60mmx28mm	
Memory	4096records	
Operation Voltage	State of Charging	State of Operating
	5V	DC 3.6 ~ 4.2V
Battery	Built-in 1000Ah/3.7V Li-ion polymerized battery	
Weight	Approx. 115g	

[www.breathalyseradt.com.au](http://www.breathalyseradt.com.au)

P: +612 4577 9347  
F: +612 4587 7786  
E: [info@austdynatech.com.au](mailto:info@austdynatech.com.au)

ABN: 59 064 093 705  
5 Aspinall Place Mulgrave NSW 2756  
PO Box 94 Windsor NSW 2756

