

The KY-8300 is a professional electrochemical breathalyser with a UK-made fuel cell sensor, 32-bit processor, and 4,096-record memory. Measures BrAC from 0.000?1.500 mg/L with 0.0001 mg/L resolution. Analysis in <10 seconds. Built-in 1000mAh Li-ion battery. Calibration every 6 months.

The KY-8300 Delivers High-Precision Electrochemical Breath Testing

The KY-8300 is a professional-grade breath alcohol tester built on a UK-made electrochemical/fuel cell sensor. Alcohol-specific and unaffected by other breath contaminants, this sensor type provides the accuracy and repeatability required for occupational health programmes, safety compliance, and professional screening. A 32-bit embedded processor ensures fast, stable analysis in under 10 seconds, with a warm-up of less than 5 seconds.

Accurate to Four Decimal Places

With a measurement range of 0.000?1.500 mg/L BrAC and resolution of 0.0001 mg/L, the KY-8300 provides precision across the full testing range. Accuracy is ?0.020 mg/L at lower concentrations (<0.400 mg/L) and ?5% in the primary working range. Blowing time is just 3 seconds. Calibration is required every 6 months to maintain accuracy.

4,096-Record Memory and Clear Display

The KY-8300 stores up to 4,096 test records in internal memory ? retrievable on the 128?64 dot matrix monochrome LCD. A compact gas circuit design minimises cross-contamination. The built-in 1000mAh/3.7V Li-ion polymer battery provides reliable multi-day use without mains power. Operating temperature range is -5?C to +45?C.

Technical Specifications

Specification	Detail
Specification	Value
Sensor	UK electrochemical/fuel cell (alcohol-specific)
Measurement Range (BrAC)	0.000?1.500 mg/L
Resolution	0.0001 mg/L
Accuracy (<0.400 mg/L)	?0.020 mg/L
Accuracy (0.400?1.000 mg/L)	?5%
Accuracy (?1.000 mg/L)	?20%
Calibration	Every 6 months
Warm-up Time	<5 seconds
Blowing Time	3 seconds (breath flow ?20L/min)
Analysis Time	<10 seconds
Recovery Time	5 sec ? 5 min (concentration dependent)
Display	128?64 dot matrix LCD
Memory	4,096 records
Battery	Built-in 1000mAh / 3.7V Li-ion polymer
Dimensions	127?60?28mm
Weight	115g
Operating Temp	-5?C to +45?C
Storage Temp	-20?C to +70?C
Processor	32-bit embedded

SKU: VM-ATKY8300