

The Cheetah-1 is a professional handheld breathalyser with a UK-made electrochemical fuel cell sensor. Traffic baton form factor with integrated torch. No mouthpiece required ? motor-driven air extraction from 4?5cm. OLED display, vibration alarm, 3.7V/3000mAh rechargeable battery, 8+ hours continuous use. Measures 0?80mg/100ml BAC.

The Cheetah-1 is a Law Enforcement-Grade Breathalyser

The Cheetah-1 is a professional breath alcohol analyser designed for high-volume testing in law enforcement, transport, and occupational health environments. It is powered by a UK-made electrochemical/fuel cell sensor that is alcohol-specific and unaffected by other breath contaminants ? the gold standard sensor type for accurate, repeatable breathalyser readings.

No Mouthpiece Required

Uniquely designed in a traffic baton form factor with integrated flashlight, the Cheetah-1 requires no mouthpieces. A motor-driven air extraction system (?0.8L continuous) draws a breath sample from 4?5cm, enabling fast, hygienic testing without accessories. Analysing time is under 5 seconds with a clearing time under 10 seconds.

Built for Extended Field Use

A 3.7V/3000mAh rechargeable lithium battery delivers over 8 hours of continuous testing on a single charge ? essential for long shifts or roadside checkpoints. The OLED digital screen provides a clear readout in any light. When a reading exceeds the preset threshold, the device triggers both a vibration alarm and dual 3W flashing lights for unmistakable notification. A USB port enables PC data upload and charging.

Measurement Range and Conditions

The Cheetah-1 measures 0-80mg/100ml BAC across an operating temperature of -5°C to +45°C, with pressure tolerance of 600-1400hPa. Minimum measuring time is adjustable to 1 second for rapid field screening.

Technical Specifications

Specification	Detail
Specification	Value
Sensor	UK electrochemical/fuel cell (alcohol-specific)
Measurement Range	0-80 mg/100ml BAC
Analysing Time	<5 seconds
Clearing Time	<10 seconds
Blowing Distance	4-5 cm (no mouthpiece required)
Form Factor	Traffic baton with integrated flashlight
Display	OLED digital screen
Alarm	Vibration + 2-3W flashing lights
Battery	3.7V / 3000mAh rechargeable Li-ion
Continuous Use	8+ hours
Min. Measuring Time	1 second (adjustable)
Weight	~231g
Dimensions	324mm L x 45mm OD
Operating Temp	-5°C to +45°C
Storage Temp	-30°C to +70°C
Working Pressure	600-1400 hPa
USB	Yes (PC connectivity + charging)

SKU: VM-ATC1