

# Alcolock® GB - DS-10 Handset

## Technical Parameters.

<b>Analytical principle:</b>	Lion fuel cell sensor for alcohol analysis.
<b>Measuring range:</b>	0.02 to 1.00mg/litre BrAC
<b>Breath sampling:</b>	The <b>DS-10</b> automatically samples deep-lung air.
<b>Analytical response:</b>	Within 15 seconds, but within 10 seconds at the 'zero' alcohol level.
<b>Recovery time:</b>	Less than 150 seconds at 0.5mg/litre BrAC.
<b>Operating temperature:</b>	-5 °C to +65°C.
<b>Storage temperature:</b>	-20 °C to +65°C.
<b>Power supply:</b>	12V/24V input to Immobiliser 5V via USB cable from immobiliser to handset
<b>Operating Humidity:</b>	10 to 95%, RH non-condensing.
<b>Operating Barometric pressure range:</b>	800 to 1,100hPa
<b>Calibration Period:</b>	Minimum every 6 months. (12 months under qualification)
<b>Display:</b>	LCD graphics dimensions 47mm x 28mm, 128 x 64 pixels, with backlighting.
<b>Audible beeper:</b>	Provides auxiliary warning messages.
<b>Microcontroller:</b>	H8/3687
<b>Memory:</b>	The last 5000 test results are stored in memory for later recall if required.
<b>Memory output:</b>	Via cable to product specific download software.
<b>Warm-up time:</b>	The unit will come ready in <40 seconds @ 20°C
<b>Disposable mouthpiece:</b>	Simple disposable easy fit HDPE mouthpiece tube.
<b>Vibration:</b>	Meets EN16750-3 4.1.3.2.4 (Qualification ongoing)

<b>Drop:</b>	Meets ISO16750-3, 4.3 (Qualification ongoing)
<b>Software Configuration:</b>	Various software settings may be configured using an external PC and configuration software. Check with Alcolock ® GB for updated releases.
<b>Hardware Configuration:</b>	The DS-10 has digital potentiometers. These are automatically set in software.
<b>Dimensions:</b>	150mm x 71mm x 32mm.
<b>Weight:</b>	150g, (Handset only)
<b>Breath sample volume:</b>	1.0 litres (configurable)
<b>Automatic power down:</b>	10 minutes (1 minute - Following a breath sample)
<b>System approvals:</b>	e-marked, EN 50436-2 ongoing
<b>Warranty:</b>	1 Year