

# Product Specification



## ALCOLOCK V3 Ignition Interlock



CKO-ALCO-V3-S

### PRODUCT OVERVIEW

Ideal for commercial environments (including buses, tram cars, trucks, trains, ships, and heavy machinery), the ALCOLOCK V3 Ignition Interlock is built for the secure and reliable detection of alcohol usage.

The ALCOLOCK V3 Ignition Interlock prevents engine ignition if the operator's breath alcohol concentration (BrAC) is over a pre-set limit. Disposable mouthpieces allow the device to be safely used by multiple operators.

This device can be programmed to meet the safety policy requirements of your company, to mandate testing at certain points in the day (for example at the beginning of a shift, or at intervals throughout the day). The ALCOLOCK V3 Ignition Interlock features a fast warm up of less than one minute at  $-20^{\circ}\text{C}$ .

### SPECIFICATIONS

<b>Sensor</b>	Electrochemical
<b>Specificity</b>	Alcohol only; no response to ketones or hydrocarbons
<b>Accuracy</b>	$\pm 0.020$ @ 0.250 mg/L
<b>Range of Measurements</b>	0.000 to 1.500 mg/L
<b>Warm Up Time</b>	<1 min at $-20^{\circ}\text{C}$
<b>Analysis Time</b>	<10 seconds
<b>Display</b>	Graphic LCD
<b>Memory</b>	100,000 logged events
<b>Optional Data Transfer</b>	CAN Bus, RS 232 and Wi-Fi 802.11 BGN
<b>Ingress Protection</b>	IP42
<b>Operating Temperature</b>	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
<b>Operating Voltage</b>	12 or 24 volt DC
<b>Quiescent (Sleep) Current</b>	< 1 mA
<b>Calibration</b>	ALCOSIM™ breath alcohol simulator or gas standard
<b>Dimensions</b>	150 mm x 48 mm x 50 mm
<b>Weight</b>	220 grams
<b>Compliance</b>	CENELEC EN 50436:2014, 1 & 2 UN Regulation 10, amendment 05 RoHS 2

**FOR MORE INFORMATION, CONTACT OUR SALES TEAM.**

**T:** 020 8863 8333 (OPT1) • **E:** sales@c-ko.co.uk • **W:** www.c-ko.co.uk

## Product Specification



THE VEHICLE SAFETY EXPERTS



### ALCOLOCK V3 Ignition Interlock

#### Quality Engineering

Engineered to withstand the vibration, dirt, dust, humidity, and extreme temperatures typically found in commercial environments.

#### Secure Data Handling

Test results, the time and date taken, and further information is all logged securely using AES 128-bit encryption standard. This protects the device's memory and the transmission of data files. Flash memory preserves the event log when the vehicle battery is disconnected.

#### Ready For Use

Each tester comes fully equipped with 2x AA alkaline batteries, operating instructions, a protective carry case, and five mouthpieces.

#### Emergency Override

Includes an electronic override for emergency situations, which is monitored using system software, this ensures that the Alcohol Interlock continues to perform its primary function.

#### Anti-Circumvention

Sensors help ensure mechanical devices such as air pumps cannot be used to circumvent the system.

#### Telematic Integration

Alcohol Interlock is fully compatible with telematic systems (not included) through CAN Bus and RS 232 data communication protocols.

#### OPTIONAL EXTRAS

##### Wireless Data Transmission

With a 4G LTE module, event log data can be automatically transmitted from the vehicle in real time.

With the Wi-Fi option, data can be transmitted from the ECU whenever the vehicle comes within range of the fleet Wi-Fi base station.

Fleet managers can access the data online via a secure network application.

##### FOCUS™ Camera

ALCOLOCK V3 Ignition Interlock enables positive identification of the driver each time a breath sample is provided through date and time stamped image capture with an optional camera.

##### Smart Cabinet

Improve your key management system with integrated alcohol interlock control.



**FOR MORE INFORMATION, CONTACT OUR SALES TEAM.**

**T:** 020 8863 8333 (OPT1) • **E:** sales@c-ko.co.uk • **W:** www.c-ko.co.uk