



Presented by:

ALCOHOL COUNTERMEASURE SYSTEMS

Sergey Krasaev

2024.10.03



About Alcohol Countermeasure Systems



- International group of companies;
- Established in 1970 to create a technical solution to prevent drink driving;
- Leading manufacturer of breath alcohol testing instruments;
- Serving multiple markets: Law Enforcement, Automotive, Industrial, Public and Personal Safety
- Inventor of the ALCOLOCK[™] alcohol interlock for road traffic safety;
- Committed to research and development;
- Headquartered in Toronto, Canada
- Quality management systems:
 - ✓ ISO 9001, IATF16949 & ISO 14001;
 - ✓ ISO 17025 & ISO 17034







Customers









Distributors:





























Commercial Interlock:

ALCOLOCKTM V3 LE



ALCOLOCK™ V3 LE



- Designed for both OEM and aftermarket installation; and commercial fleet safety management programs;
- Meets EN50436;
- Prevents vehicle from starting unless the driver provides a breath sample below the limit;
- Rugged construction and reliable operation;
- Monitor operational vehicles remotely through a secure network application and telematics integration;
- Compliance with:
 - UNECE Regulation 10 (EMC);
 - UNECE Regulation 118 (Flammability);
 - UNECE Regulation 155 (Cybersecurity)



Applications



- Trucks
- Buses
- Taxies
- Cars
- Tram cars
- Railway
- Construction Equipment
- Mining Equipment



Application of ALCOLOCK™ V3 LE – Aftermarket



Installation into Commercial Vehicles

- Active safety to eliminate drink driving;
- The administrators can ensure that the driver is not drink driving in remote locations since alcohol interlocks stop vehicles from starting when the driver has a positive alcohol level over the preset limit;
- The test results are recorded in the handset or ECU and the event log may be uploaded at each service centre.

ALCOHOL COUNTERMEASURE SYSTEMS

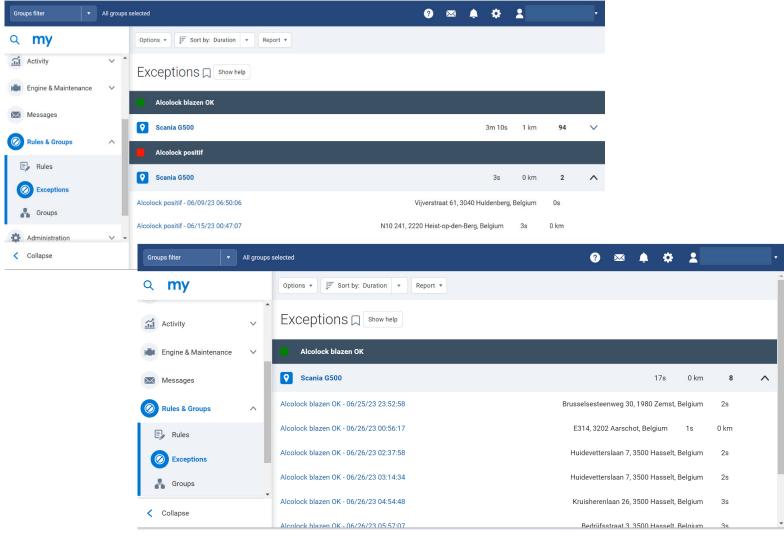
Application of ALCOLOCK™ V3 LE – Fleet Solutions



- Fully compatible with telematic systems through CAN Bus and RS 232 data communication protocols;
- With an optional LTE module, event log data may be automatically transmitted from the vehicle in real time;
- With the Wi-Fi option the data may be transmitted from the ECU whenever the vehicle comes in range of the fleet Wi-Fi base station;
- Fleet managers can access the data online via a secure web application AlcoFleetTM.



Telematics Integration Interface





Application of ALCOLOCK™ – OEM



Automotive OEM

- OEM installation into buses and trucks;
- Installation into lighter vehicles such as taxies;
- Applicable to a range of vehicles in the market.





Proven Performance of ACS Products

Compliance Summary

regarding
Electromagnetic Compatibility, Environmental Conditions and Functional Performance Requirements



CEcert GmbH, Alter Holzhafen 19a, 23966 Wismar (Germany) **Test Laboratory**

No.: 618.366.1C

License Holder ALCOHOL COUNTERMEASURE SYSTEMS CORP

60 International Boulevard

Toronto, Ontario M9W 6J2 CANADA

Product identification: Breath alcohol ignition interlock

Type/Model/Parameters: ALCOLOCK™ V3 - SERIES LE

Serial numbers: Unit A (Handset: LE000005, Control unit 12 Vdc: CA000004);

Unit B (Handset: LE000003, Control unit 24 Vdc: DA000004); Unit C (Handset: LE000004, Control unit 12 Vdc: CA000005): Unit D (Handset: LE000002, Control unit 24 Vdc: DA000006); Unit E (Handset: LD000030, Control unit 12 Vdc: CA000005);

Unit F (Handset: LD000031, Control unit 24 Vdc: DA000006)

EN 50436-1:2014; EN 50436-2:2014 Applied standards:

Breath alcohol ignition interlock devices

Test report(s): 418.366.1A / Initial laboratory tests: 2019-10-08 - 2020-01-13;

418.366.3A Calibration stability: 2019-10-08 - 2020-10-27

418.366.2 EMC tests: 2019-10-08 - 2019-10-18

PASS

This test summary is relevant exclusively to the item(s) submitted for testing. This test summary is intended as cover sheet for the test report referenced. For details, see the test report specified in this summary and the safety instructions specified in the technical documentation to the product.

Wismar, Thursday, 19 November 2020

see 'Attachment 1' for more details

ACS alcohol interlock products are certified to CENELEC (EU) EN 50436 standards.



Quality Certification









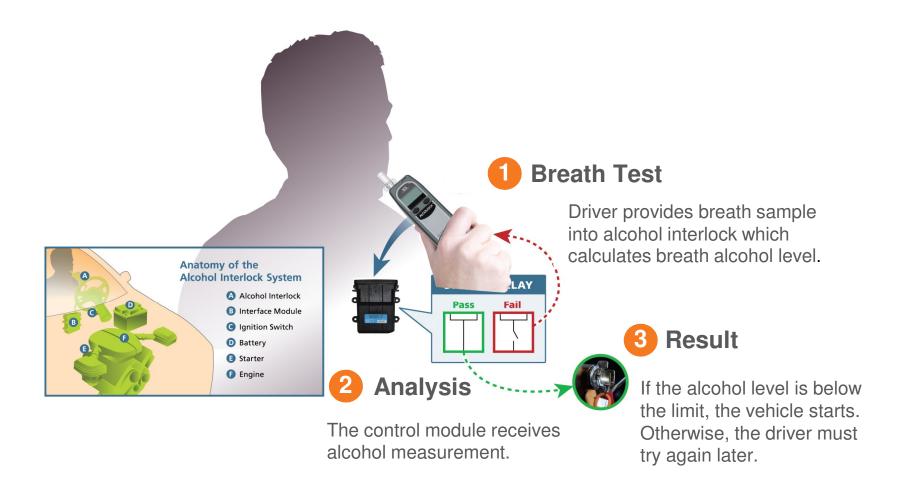




How does the **ALCOLOCKTM V3 LE** work?



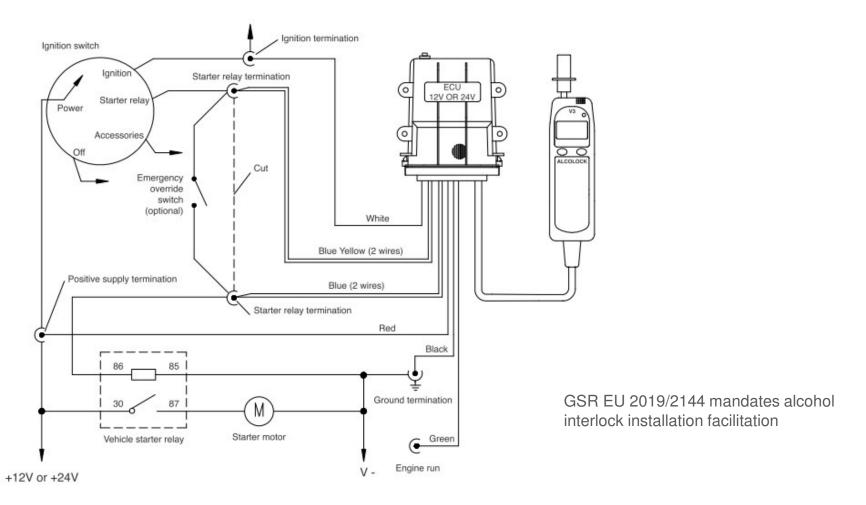
How do Alcohol Interlocks work?





Installation of Alcohol Interlocks

1. Classic approach





Installation of Alcohol Interlocks 2. New Digital interface



The new digital interface as per EN50436-4 allows quick and safe installation of alcohol interlocks and defines communication protocol over CAN or LIN networks



Anti-circumvention Technology

- The ALCOLOCK[™] V3 LE is equipped with special sensors that prevent non humans, such as machines, from being able to provide a sample and start the vehicle;
- Any attempts to do this or interfere with the wiring will be logged in the data memory of the unit and can be viewed in the AlcoFleet™ software program;
- Can be integrated with fleet management systems to provide real time alerts of any alcohol violations.



Benefits of installing an ALCOLOCK™

- Beneficial to your company's corporate image;
- Competitive advantage when soliciting new business shows your company takes measures to keep your drivers, cargo and passengers safe;
- Only way to verify that your driver has not been drinking before driving;
- Ensures that long distance drivers are following alcohol abstention policy while driving the company vehicles;
- Eliminates the problem of the random testing for alcohol;
- Administrators do not need to be present to check the drivers for alcohol;
- Potential for insurance premium reductions;
- Less down time and fewer accidents;



ALCOHOL INTERLOCKS

in the World



Commercial Legislation Programs

In many countries, the use of alcohol interlocks has been mandated for certain types of fleet vehicles.



Commercial Legislation Programs

Finland: mandated that all school buses should have alcohol interlocks installed by the end of 2012.

France: mandated that all school buses should have alcohol interlocks installed by the end of 2015.

Sweden: a government incentive is given for those vehicles with alcohol interlocks.

Norway: the Norwegian Road Directorate regulates alcohol interlocks in minibuses and buses from 2019.

Spain: Spanish Road Safety Law regulates alcohol interlocks in passenger transportation vehicles and trucks from July 2022.



SAFETY. IN THE PALM OF YOUR HAND.

Notice of Proprietary Rights and Copyrights

This presentation contains Confidential Information. It is solely and exclusively the property of Alcohol Countermeasure Systems (International) Inc., and may not be reproduced or otherwise used, in whole or in part, without the express written permission of the company.

ALCOHOL COUNTERMEASURE SYSTEMS, ALCOLOCK and The Molly Logo are trademarks of Alcohol Countermeasure Systems (International) Inc., and are used under license.

For more information please visit acs-corp.com

