

# ALCOSIM™ Calibration Bench

## Multi-Stage Breath Alcohol Simulator

Available through:



### Alcohol Countermeasure Systems

60 International Boulevard  
Toronto, Ontario M9W 6J2 CANADA

+1 416 619 3500

[acs-corp.com](http://acs-corp.com)

Designed in Canada by  
Alcohol Countermeasure Systems Corp



### Warranty

ALCOSIM Calibration Bench is warranted to be free from defects in workmanship and material for one year from the date of purchase. Only qualified technicians should perform maintenance on the ALCOSIM Calibration Bench.

ACS, ALCOHOL COUNTERMEASURE SYSTEMS, ALCOSIM and the "Molly" are trademarks of Alcohol Countermeasure Systems (International) Inc. and are used under license.

20171208



# Calibration technology designed for efficiency

The ALCOSIM Calibration Bench is a multi-stage calibration station that optimizes gas flow and the use of alcohol reference solution, eliminating human error and providing consistent simulated breath samples for the calibration of portable breath alcohol testers.

## Multi-stage breath simulation

Three tandems of ALCOSIM breath alcohol simulators may be used with different concentrations of alcohol reference solution, calibrating a breath alcohol tester to a wide range of thresholds to accommodate varied operational requirements.

## Precise and accurate performance

A breath sample counter monitors the calibration process and ensures that a maximum of 100 simulated breath samples per two bottles of alcohol reference solution is generated. The pairing of two simulators guarantees a constant operational temperature of +34 °C ( $\pm 0.02$  °C) and the breath flow regulator controls the pressure and flow of the simulated breath sample which may be adjusted to suit operational requirements.

## Adaptable

The adjustable test platform will accommodate a variety of breath alcohol testers, including passive testers. Each tandem of simulators can be used with a different alcohol reference solution concentration, enabling calibration of a variety of breath alcohol testers to a range of thresholds.

## Easy to use and maintain

Solid and sturdy, yet easy to assemble and disassemble, the ALCOSIM Calibration Bench is the most reliable, mobile calibration bench of its kind. Replacing a simulator is simply done by using quick disconnect fittings attached to all tubing, permitting easy and quick replacement of alcohol reference solution.

## Your safety, our promise

ISO TS 16949, ISO 9001 and ISO 14001 certified, ACS ensures high quality design and manufacturing of all products and services while balancing our respect for the environment. Our commitment to safety, quality and customer service defines our industry leadership.



**Diaphragm pump**  
12 VDC, 36 watts, 16 L/m max



**Timer**  
0-99 second with  
2 decimal accuracy



**Air flow meter range**  
4 - 20 L/m



**Display**  
LED indicator



**Power supply**  
110 - 240 volt, 50 - 60 Hz



**Operating voltage**  
2 dual 12 or 24 volt DC



**Dimensions**  
460 mm x 806 mm x 395 mm



**Weight  
(without ALCOSIM)**  
18 kg



**Weight  
(with six empty ALCOSIM)**  
21.6 kg