

Available through:

<b>NORTH AMERICA</b>	Alcohol Countermeasure Systems acs-corp.com
<b>LATIN AMERICA</b>	Alcohol Countermeasure Systems (LATAM) acs-latam.net
<b>HONG KONG</b>	Alcohol Countermeasure Systems (HK) acs-hongkong.com
<b>FRANCE</b>	ALCOLOCK France alcolockfrance.fr
<b>UNITED KINGDOM</b>	ALCOLOCK UK alcolock.co.uk
<b>SWEDEN</b>	ALCOLOCK Sverige alcolock.se

Designed in Canada by  
Alcohol Countermeasure Systems Corp



#### Warranty

ALCOSIM 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.

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

# ALCOSIM™

## Breath Alcohol Simulator



20190508

# Easy and accurate calibration

## Easy to use

Once the green light indicates that ALCOSIM is at operating temperature, simply breathe into the inlet hose to produce an air-alcohol sample. The breath alcohol testing instrument compares this sample to the value of the chosen reference solution.

## Quality construction

Medical grade plastic and stainless steel provide chemical resistance and anti-corrosion, while extensive internal sealing provides leak resistance. ALCOSIM is built for life time use.

## Certified reference material

Alcohol Reference Solution (ARS) is available upon request.

## Your safety, our promise

ISO 9001, IATF 16949, ISO 14001, ISO 17034 and ISO/IEC 17025 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.

## How it works

The standard reference solution, an ethyl-alcohol concentration, is used to produce an air sample with an ethanol concentration. This sample is equivalent to the calibration set point of the breath-alcohol testing instrument.

Equipped with a reference thermometer, ALCOSIM maintains the reference solution at mouth temperature ( $+34\text{ °C} \pm 0.02\text{ °C}$ ) to simulate the density, composition and temperature of a human breath sample.



**Liquid level**  
500 mL



**Inlet tube diameter**  
6.4 mm



**Outlet tube diameter**  
6.4 mm



**Time to ready**  
< 12 minutes



**Recycle time**  
< 5 seconds



**Accuracy**  
 $\pm 0.02\text{ °C}$



**Display**  
Graphic LCD



**Operating temperature**  
 $+5\text{ °C}$  to  $+40\text{ °C}$



**Operating voltage**  
100 or 240 volt



**Dimensions**  
227 mm x 130 mm



**Weight**  
560 grams