

# ALCOSIM™

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 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.

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ALCOHOL COUNTERMEASURE SYSTEMS

# Easy and accurate calibration

ALCOSIM is the easy and accurate way to calibrate or check-calibrate breath-alcohol testing instruments. Carefully maintaining an alcohol reference solution, ALCOSIM produces an air-alcohol sample of precise concentration.

## 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 ( $+34^{\circ}\text{C} \pm 0.02^{\circ}\text{C}$ ) to simulate the density, composition and temperature of a human breath sample.

### 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.

### Reference solution

Alcohol Reference Solution (ARS) is available upon request.

### Your safety, our promise

ISO/IEC 17025, ISO 17034, ISO 9001, ISO TS 16949 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.



Liquid level  
500 mL



Inlet tube  
6 mm



Outlet tube  
6 mm



Time to ready  
< 12 minutes



Recycle time  
< 5 seconds



Accuracy  
 $\pm 0.02^{\circ}\text{C}$



Display  
Graphic LCD



Operating  
temperature  
 $+5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$



Operating voltage  
100 or 240 volt



Dimensions  
227 mm x 130 mm



Weight  
560 grams