



Breath Alcohol Simulator

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.

ALCOSIM™

Breath Alcohol Simulator



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 ± 0.2 °C) to simulate the density, composition and temperature of a human breath sample.

Easy to use

Once the red 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

Ethyl alcohol reference solution is available upon request.



Specifications

Size:	227mm x 130mm
Weight:	560 grams
Accuracy of reading:	+/- 0.05°C
Recovery time from test:	< 5 seconds
Warm-up time from cold start:	< 10 minutes
Liquid level:	500 ml
Inlet tube:	1/4" (6.35mm)
Outlet tube:	1/4" (6.35mm)
Complete Package:	ALCOSIM™, power supply, power cord, tubing and mouthpieces