



Guth Laboratories^{INC}

Model AS-1104-MT Guth Model 10-4



ECONOMICAL HIGH QUALITY ALCOHOL BREATH TEST SIMULATOR

The Guth Model 10-4 simulator is approved by the National Highway Traffic Safety Administration (NHTSA) and published on their Conforming Products List (CPL). Simulator has an improved mercury-in-glass serialized thermostat. Components within the wet chamber area of the simulator are rust resistant, chrome plated, or stainless steel. The all metal non-magnetic top housing is chrome plated brass, preventing rust and corrosion. This provides for uniform headspace heating and outstanding mechanical security for all fasteners. The simulator has a power switch and long life power and heater indicator lamps. The simulator is provided with a high precision, serialized NIST reference mercury-in-glass thermometer to monitor temperature of the solution.

PERFORMANCE

Temperature range $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$
Warm-up time from cold start less than 20 minutes
Nominal liquid level 500 ML \pm 5%
Laboratory Glass Container 500 ml \pm 5% fill mark molded into glass

MECHANICAL

Weight: 3.6 lbs. (1.634 kgms)
Size (HxWxD): 9.0 x 3.75 x 4.50
(228.60 mm x 95.25 mm x 114.3 mm)
Weight: 3.6 lbs. (1.634 kgms)
Inlet Tube: 3/4 (19.05 mm)
Extended from top surface of housing
Outlet Tube: 3/4 (19.05 mm)
Extended from front surface of housing
Inlet Tube: 3/4 (19.05 mm)



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Extended from top surface of housing

Top housing is square to eliminate Roll Around and for greater ease of removing and tightening simulator container.

ELECTRICAL

Power Input: Domestic: 105/130 VAC @ 60 Hz

Foreign: 220/240 VAC @ 50 Hz

External Safety Fuse: Easy, accessible plug-in 1.0 AMP fuse

Power Switch: Single Pole mounted in top housing

Indicator Lamps: Power Lamp: Neon

Heater Lamp: Neon

Temperature Controller: Serialized

Mercury-in-Glass Thermostat

Immersion Heater: A safety ground wire is welded to the heater housing to prevent electrical shock hazard.

Printed Circuit Board: High quality, through hole plated circuit board

TEMPERATURE MONITOR

NIST Mercury-in-Glass serialized reference thermometer

OPTIONS

Simulator Protector - Simulstand (Lexan with anodized aluminum spacers)

SURE-LOK™ CONNECTORS

Male and Female connectors prevent accidental, improper connection to breath analyzer.

STANDARD WARRANTY

One Year - Parts and Labor