



# Dif-Kit Tracer Gas Hardware

## Professional Fume Hood Diagnostic Tools

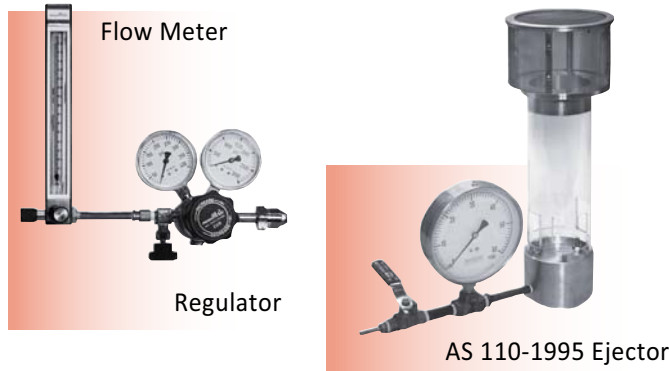
### Features:

- The ANSI/ASHRAE 110 test is a method of testing the performance of laboratory fume hoods. Kanomax Dif-Kit tracer gas hardware is ideal for use in performing the Tracer Gas test in accordance with ANSI/ASHRAE Standard 110-1995.
- Diffuser is made to the design and specifications of Standard drawing #110-83M
- The internal critical orifice ensures a flow rate of 4 liters per minute. Other orifice sizes can be inserted
- Test-Mannequin and the vapor analyzer for the tracer gas test are available
- Face velocity measurement data can be stored and downloaded with Anemometer
- Dif-Kit includes tracer gas diffuser, nozzle assembly, in-line flow meter, tank regulator, and 20 ft of tubing



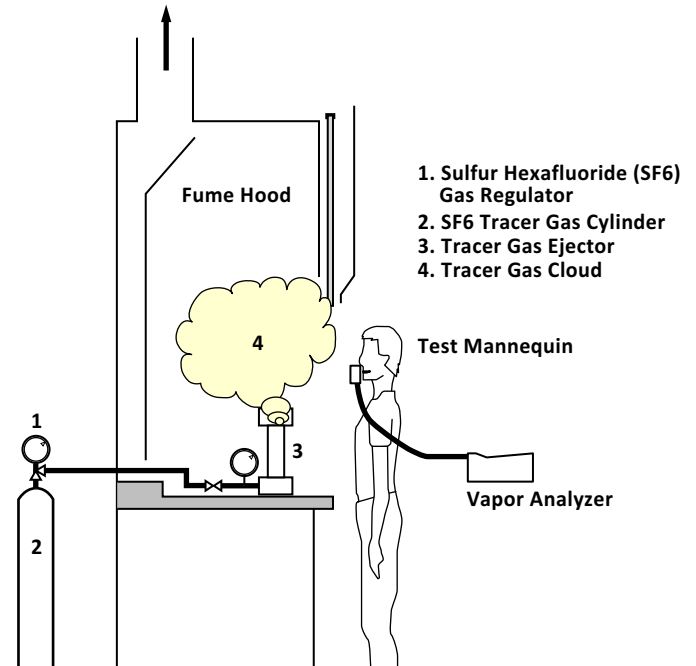
ASHRAE 110 - 1995 Performance Testing

### ■ Diffuser Kit



Specifications	
Model	Dif-Kit
Flow Rate	4 liter per minute*
Regulator	Dual Stage, Specialty Gas
Flow Meter	Calibrated 150 mm/200 psi, Glass Tube
Pressure Gage	0 to 60 psi

\*Contact us for other flow rates



### ■ Vapor Analyzer

The Vapor Analyzer is factory calibrated for Sulfur Hexafluoride (SF6). Response time is less than 10 seconds to 90% response with a stable maximum concentration in less than 30 seconds.



Vapor Analyzer

Specifications	
Type	Single Beam Infrared Spectrophotometer
Sample Flow	10 liter per min (21.2 ft <sup>3</sup> /hr)
Sample Cell Volume	0.45 liters (0.0159 ft <sup>3</sup> )
Gas Purge	5 Cell Volumes for 99% purge of cell
Concentration Alarm	High & Low (selectable by user)
Interface	USB, RS232
Power Supply	NiMH battery or 120-220V AC
Dimensions	15 x 7.3 x 7.5 inches (381 x 185 x 191 mm)
Weight	18 lbs (8.2 kg)

## ■ Handheld Anemometer

Thermal Anemomaster Professional, model 6036 for face velocity measurement. Data stored in the unit can be downloaded to PC.



Anemomaster Professional  
Model 6036



### Specifications

Model	6036
Air Velocity Ranges	20 to 6000 FPM (0.01 to 30.0 m/s)
Accuracy	+/- (3% of reading + 0.1 m/s)
Air Flow CFM (ft <sup>3</sup> /min)	2709360 CFM (at 6000 FPM)
Temperature Ranges	-4 to 158°F (-20 to 70°C)
Accuracy	+/- 1°F (0.5°C)
Interface	USB and RS232C (for print-out)
Datalogging	Up to 1500 records
Analog Output	0 to 3 V *Option
Power Supply	6 x AA Batteries or AC Adapter
Dimensions	W3.4" x H7.4" x D1.6"
Weight	0.9 lbs (400 g)

## ■ Test-Manikin

Includes: Manikin, Lab coat, and Stand



Test-Mannequin

## ■ Portable Fog Machine

The Flow Visualization and velocity procedure test standard (ANSI/ASHRAE 110-1995 section 6) is a visualization test used to determine hood ability to contain vapors. A visible smoke is introduced in a manner that is consistent in a way the hood is typically used. See ANSI/ASHRAE 110-1995 section 6 for a complete description of testing procedures.

### Specifications

Model	Alpha 900
Particle Size	0.25 to 60 microns
Max Consumption	1 liter per hour
Power Requirements	120 volts, 50/60 Hz
Dimensions	14.3" x 5.6" x 7.5"



Fog Machine



**KANOMAX**  
The Ultimate Measurements

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