

**KANOMAX***The Ultimate Measurements*

# ***Dif-Kit*** Tracer Gas Hardware

## Professional Fume Hood Diagnostic Tools

The ANSI/ASHRAE 110 test is a method of testing the performance of laboratory fume hoods. The Kanomax Dif-Kit is ideal for use in performing the Tracer Gas test in accordance with the ANSI/ASHRAE Standard 110-1995. Kanomax also offers alternative tracer gas systems due to concerns to prevent greenhouse gas emissions.

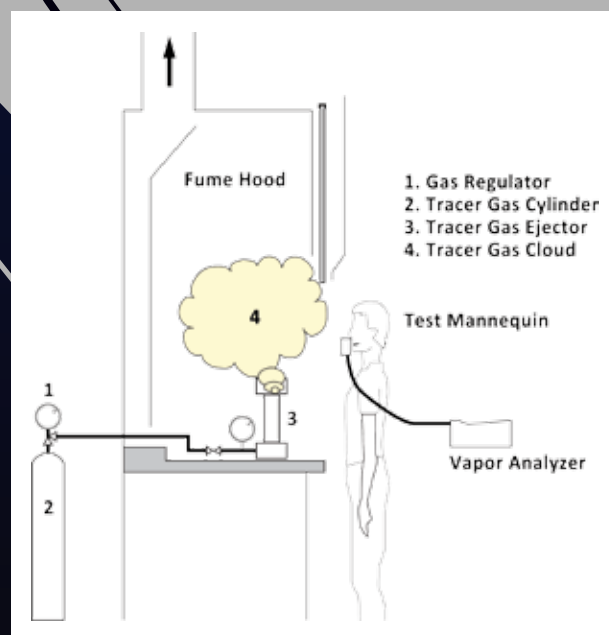
## ***Features & Benefits***

- 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
- Alternative tracer gas systems are available - SF<sub>6</sub>, NO<sub>2</sub>, or FM-200 (HFC-227)
- Thermal anemometer for face velocity testing
- Commercial fog machine for flow visualization



## ■ Vapor Analyzer

The Vapor Analyzer is factory calibrated for the tracer gases. Response time is less than 10 seconds to 90% response with a stable maximum concentration in less than 30 seconds.



## Dif-Kit Specifications

|                  |                                       |
|------------------|---------------------------------------|
| Critical Orifice | 4 liter per minute                    |
| Regulator        | Dual Stage, Specialty Gas             |
| Flow Meter       | Calibrated 150 mm/200 psi, Glass Tube |
| Pressure Gauge   | 0 to 60 psi                           |



## 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)                             |



## Fog Machine Specifications

|                    |                     |
|--------------------|---------------------|
| 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" |



Specifications are subject to change without notice.



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