Tek – Air   FVC 2000 Plus

FVC 2000 Plus (Face Velocity Control)
This fume hood controller display con-sists of the liquid crystal display, LED indi-cators and three momentary push button switches.
Mute – silences alarm and LED remains on until condition changes.
Pressing and holding the Mute button when there is no alarm will cause the dis-play to perform a self test.
Emergency Purge - maximum opening of hood exhaust valve activated - LED red on
Alarm – red LED flashes in emergency un-til mute pressed (as above)
Normal – green LED on
Parameters – displays programmed air flow values and set points (used in con-junction with FVC 2600 Fume hood con-

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Let's Save Energy
And Be Safe
**SHUT
the
SASH**
www.case.edu/news/sustain

Closing the Sash can save $1500 and 50,000 lbs of CO_2 per year.

QUESTIONS?

If your chemical fume hood needs servicing due to low or no air flow, broken dome lights, broken sash (or sash is difficult to slide up or down), air flow sensor malfunction, or the hood needs annual re-certification, please fill out the chemical fume hood service request at (https://www.case.edu/finadmin/does/LabSafety/fume.html) or contact

Mary Ellen Scott, PhD
216.368.6077

ENVIRONMENTAL HEALTH AND SAFETY

ENVIRONMENTAL HEALTH AND SAFETY

FUME HOOD MONITORS II

Monitor Mania

We use many different kinds of air flow monitors for our laboratory fume hoods. All of these however have a singular purpose: TO INDICATE AIR FLOW INSIDE THE HOOD. These monitors are calibrated and an alarm will sound if the air flow is above or below the a safe set point as determined by experiment, hood type and room air.

TeK- Air: Apex Premier
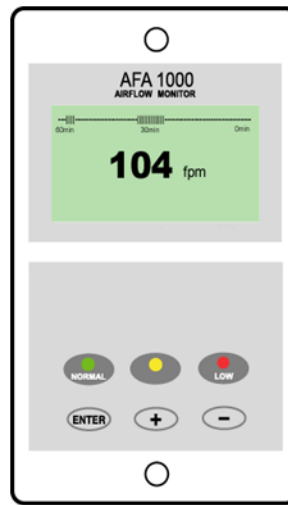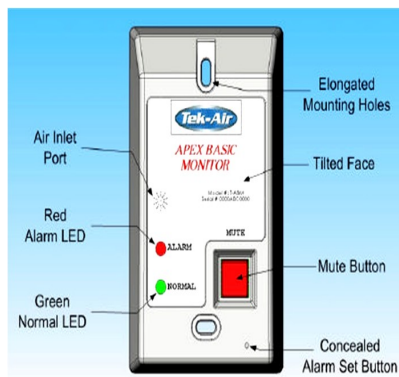
Green light on – normal, flashes for warning condition

Red light on – indicates alarm condition, flashes on mute

Yellow light on - indicates purge button has been depressed

Mute button – silences alarm, programmable active/inactive mode for changing flow set points. Re-beep mode – reminder that alarm is muted.

Purge button – activates purge relay, programmable

Scroll – enables user to review entire monitor configuration (Basic models do not have digital readout)

TEL: AFA 1000

The operator display panel features:

Velocity bar graph or Alarm Time Line
Velocity digital display

LED Indicators (green - normal, yellow-caution and red - low)

Enter button - momentarily mutes alarm and after pressing (5 sec) gives access to calibration and configuration menus using (+ / -) scrolling. (Basic models have an air flow sensor, LED indicators.

Set button - calibration. (The Kewanee Air Alert 600 is identical to the AFA 1000. Some

TEL: AFA 500

Flow Safe: VFV Fume Hood Alarm and Baffle Control

VFV (variable face velocity) controls: commonly used on Vortex ll fume hood.
The VFV fume hood alarm monitors fume hood performance by monitoring the strength of the bi-stable vortex.

Led Indicators: green (normal), yellow (caution) red (alarm—low flow)

Mute Button - silences alarm and the **Audio off** light illuminates. Alarm rearms once condition clears.

To test monitor, cover the sensing hole (port with plastic nut) located on inside of wall of hood, alarm sounds. (Some Air Sentry Fume

Air Sentry