AFA 1000/1 Fume Hood Monitor

The AFA 1000/1 features a digital display that provides a continuous face velocity reading as well as visual air flow status in addition to the red LED alarm light and horn. Airflow is measured with a remote SM6 sensor installed in the fume hood post.

**AFA 1000/1 Product Specifications**

- **Display range:** 0-999 fpm (0-5.0 m/s).
- **Alarm range:** 0-999 fpm (0-5.0 m/s).
- **Field setup:** 2-point velocity calibration (with on-screen instructions).
- **Accuracy:** Sensor-display resolution: 1 fpm; face velocity accuracy +/-5%.
- **Alarm delays:** User definable (0 to 60 seconds).
- **Relay output:** 4 (three on board, four on optional plug-in relay interface unit).
- **Analog output:** 0-10V, directly proportional to velocity (optional).
- **Relay input:** 3.
- **Communications Port:** RS232 (can be connected via Serial interface to LAN network; full hood performance software reporting available).
- **Sash height indication:** Yes, with separate plug-in connection.
- **Night setback:** Yes.
- **External alarm indication:** Yes.
- **Power requirement:** Input: 120VAC, 60Hz; output: 15VDC, 500ma.
- **Units:** English and metric (user selectable).
- **Display:** Analog bar graph or fault timeline; LEDs: red, alarm; yellow, caution; green, normal; Digital display of velocity reading (can be turned off).
- **Alarm indication:** Red LED and audible alarm (to a certain sound spec).
- **Horn silence:** Yes, temporary or permanent/automatic, depending on type of alarm or external input.
- **Mounting:** Semi-flush (MK3) or surface (MK2).
- **Operating temperature:** 55 to 86°F (13 to 30°C).
- **Storage temperature:** -40 to 150°F (-40 to 65°C).
- **Dimensions:** Instrument Case: 5.71” H x 3.46” W x 1.38” D (148mm H x 88mm W x 35mm D).
- **Agency listings:** CE.

**MK3 (Semi-flush):** This version is semi-flush mounting and will fit into a standard U.S. power outlet cut out 3 inches tall by 2 inches wide. It is the preferred choice for fume hood manufacturers who install the monitors in the factory.

**MK2 (Surface):** This version comes with a custom mounting box at no additional charge, allowing a surface mounted unit that can be installed without cutting a full-sized hole (4.65 inches tall by 3.35 inches wide). Or, order the MK2 and make the full post cutout for a true flush mount appearance.

**Relay Outputs:** AFA 1000/1 and 1000/2 monitors in the MK2 style have three output relays on board. In the MK3 style, only one on-board relay output is available. To get more relay outputs with an MK3 unit, order the relay interface box, which plugs into the on-board output and provides three additional customizable relay outputs.

The functions of the MK3 and MK2 are identical.