

AFA-AIR FLOW MONITOR

The AFA is an air flow monitor and alarm intended for use in checking the operation of air flow cabinets, it gives a light and sound alarm if the flow rate falls or ceases.

Efficient monitoring requires that in a fault condition the spread of dangerous gases or substances into the laboratory or working area is prevented or minimised.

The AFA flow monitor is compact and easy to install. It may be installed in either a horizontal or vertical position, and the measurement head may be either internal or external so it can be installed anywhere.

The AFA air flow monitor has a front panel indicator light with an alarm acknowledgement push

button and internal buzzer and alarm

relay. The power supply can be a normal mains power outlet converter 230 /9V, or a low voltage industrial supply 24 VDC input.

When delivered the unit is ready for immediate use, and normal maintenance only requires that the measurement head is checked and that it is kept clean.



TECHNICAL DETAILS

Measurement range	0-1 (10) m/s
Accuracy	+/- 3 % from the adjusted limit
Influence of the temperature	0,1 % / °C
Measurement instability	Max. 0,2 % / month, max. 1 % / year
Adjustability range of alarm limit	Whole measurement range
Hysteresis of alarm limit	5 % from adjusted value
Adjustability of alarm delay	0... approx. 75 s.
New alarm operation time	approx. 10 min. (approx. 1 min.)
Reverse flow alarm indication	Flickering alarm light (option)
Alarm transfer	Closing relay contact, max. 48 V 1A (res.)
Alarm buzzer	Min. 77 dBA 10cm
Power supply	9 VDC or 24 VDC +/- 10 %
Power dissipation	Max. 1 W, normal 0,5 W
Operating temperature	10...45 °C
Measures	70 x 121 x 25mm (width x height x depth)
Chemical resistance of sensor	Resist well the chemical impurities in the air