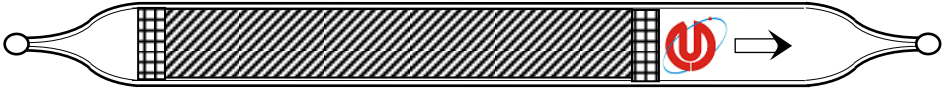


Uniphos Air Flow Indicator Tube Data Sheet

Air Flow Indicator Tube

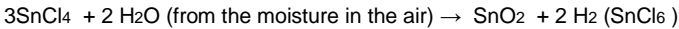
SMT-1



Performance:

Physical Dimensions of the tube	
Length	140 ± 1.0 mm
Outer diameter	7.0 ± 0.5 mm

Reaction Principle:



Description:

The detection of air current with their direction and velocity is important in many situations in mines and industries. This information is necessary for the selection of gas sampling points, the distribution of toxic gases at work places etc. The Uniphos Air flow indicator tubes (smoke generation tube) is designed for this application.

It contains a chemical impregnated in a suitable support material. For producing the smoke both ends of the tubes are cut and with the help of a rubber bulb air is pumped through the tube. A white smoke is generated and comes out in the form of a cloud . Its movements follows the wind flow direction. It can also be used to know the approximate speed of wind.

Application Area:

1. For the selection of gas sampling points with respect to wind flow direction for leak detection application.
2. For testing the performance of ventilation system
3. Respirator fit testing (OSHA protocol).
4. Finding out wind direction and approximate wind speed.



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