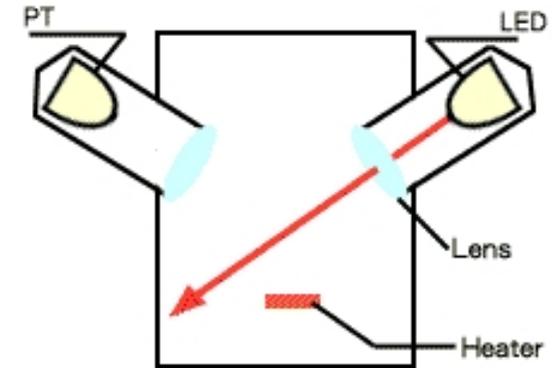
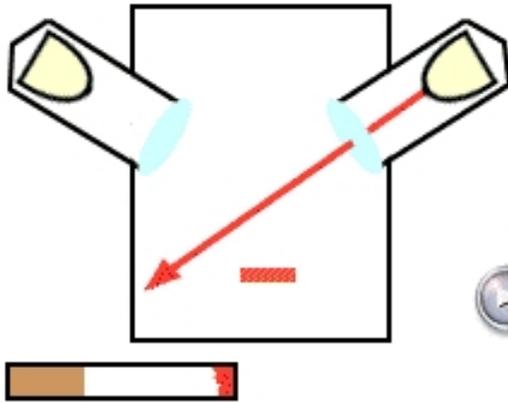


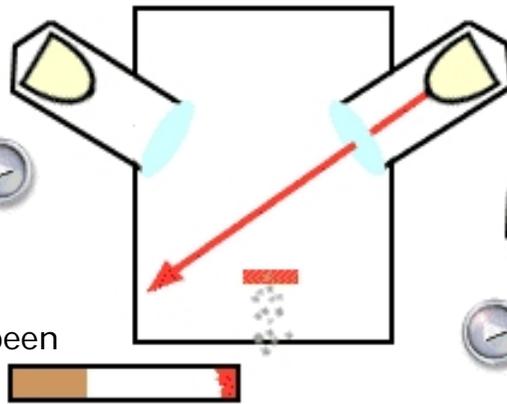
How It Works



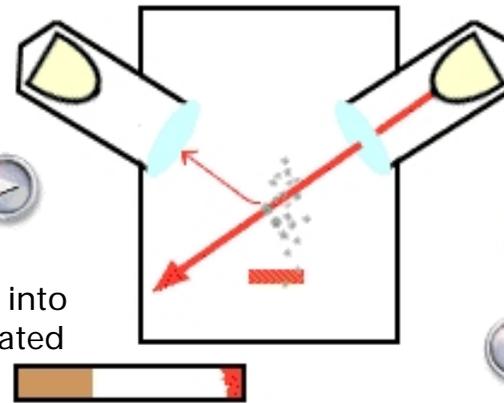
Light emitter : LED
 Light receptor : Photo Transistor
 Lens : both for emitter and receptor
 Heater : Resistor to generate " Updraft "



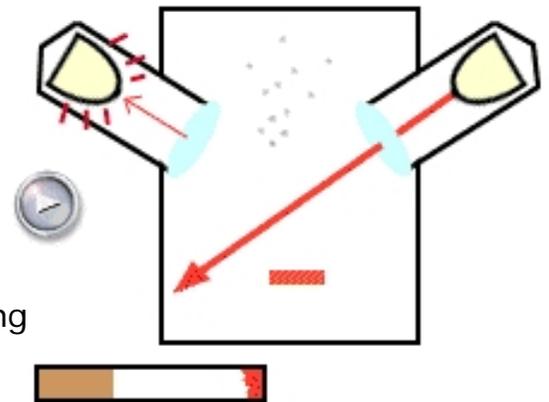
Resistor generating updraft.
 Infrared light beam from LED has been focused with Lens to sensing point at the center.



Airborne particles have been taken into the sensor box with the updraft created by resistor's heat.



Particle passing through sensing point scatters light.



Receptor (Photo transistor) receive scattered light through the lens and transformed into pulse signal. Pulse signal are to be converted into voltage output.

PPD Detection Range

SIZE OF HARMFUL AIRBORNE PARTICLES

