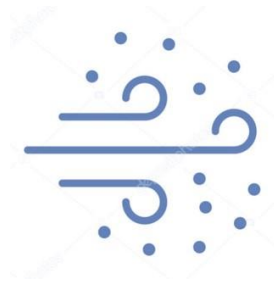




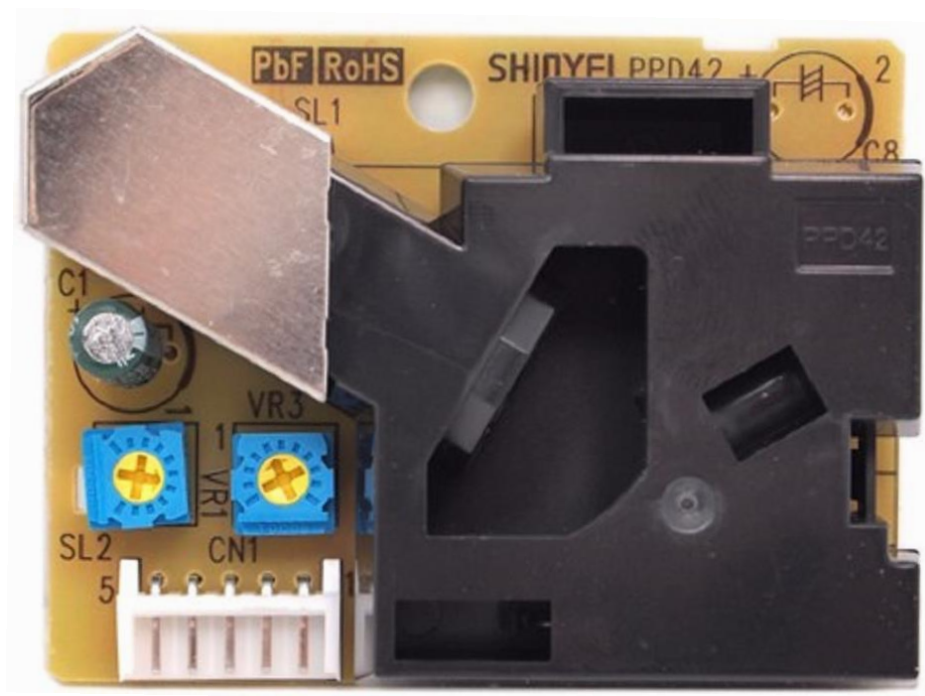
THE DUST, POLLEN & POLLUTION (SOOT) SENSOR



THIS DUST SENSOR GIVES A GOOD INDICATION OF THE AIR QUALITY IN AN ENVIRONMENT BY MEASURING THE DUST CONCENTRATION. THE PARTICULATE MATTER LEVEL (PM) IN THE AIR IS MEASURED BY COUNTING THE LOW PULSE OCCUPANCY TIME (LPO TIME) IN GIVEN TIME UNIT. LPO TIME IS PROPORTIONAL TO PM CONCENTRATION. THIS SENSOR CAN PROVIDE RELIABLE DATA FOR AIR PURIFIER SYSTEMS; IT IS RESPONSIVE TO PM OF DIAMETER $1\mu\text{m}$.

USAGES:

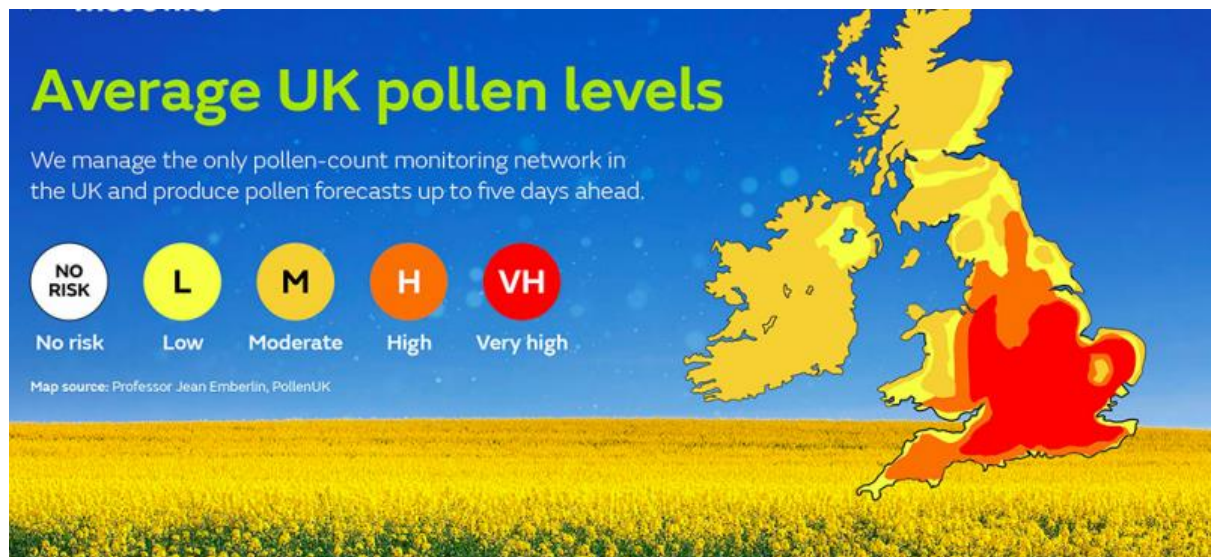
- AIR PURIFIER
- AIR QUALITY MONITOR
- AIR CONDITIONER
- VENTILATOR





PARTICULATE MATTER (PM) CAN CONSIST OF:

POLLEN – WHICH CAUSES IRRITATION FOR INDIVIDUAL WHO SUFFER FROM ASTHMA AND HAY FEVER



EMISSION LEVELS; SOOT FROM VEHICLES

