

# VT580 Dust Particles Sensor

- Air pollution sensing
- Mass & Number Concentration
- Superior Precision
- Long-term Stability

**VUTLAN**  
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**VT580 dust particle sensor** is used to monitor air quality and pollution. The sensor is a technological breakthrough in particle matter sensors. Its measurement principle is based on laser scattering and based on innovative contamination-resistance technology. The probe enables precise measurements from its first operation and throughout its lifetime of more than ten years.

Device type	Analog sensor, Plug&Play	Particle size range	0.3 to 10.5 $\mu\text{m}$
Usage	Air quality, pollution monitoring.	Best used in	+10...+40°C, 20%... 80% RH
Technology	Laser scattering, Contamination-resistance, Optical particle counters	Operating Temperature	From -10 to +60°C
Mass conc. precision	$\pm 10\%$	Operating humidity	0 to 95% RH
Mass conc. range	0 - 1000 $\mu\text{g}/\text{m}^3$	Power Consumption	Max. 400 mW in operation mode
Lifetime	more than 10 years	Cable length	2 m
Output	x1 RJ-11, 6p4c	HS Code	100 m
		GTIN	8588009886655

Protect sensitive electronics & workers from dust and airborne particles. Report pollution levels. Monitor and adjust airflow in HVAC systems to ensures that clean air standards.

