



Remote Particle Sensors Serial *PS*



The **PS** line remote particle sensors detect microscopic particles in controlled environments and critical processes so that is ready for use for all method of measurements and standards in the pharmaceutical industry, hard disk drive manufacturing and others processes in clean rooms (per example hospitals).

The remote particle sensors line offers a sensitivity of 0.3 μm (micron) and a flow rate of 1.0 CFM (28.3 LPM) and is available in two types:

PS 31 (0.3 μm + 0.5 μm)

PS 51 (0.5 μm + 5.0 μm)

Many choices are available for outputs such as RS-485, RS-232, digital pulse or 4 – 20 ma proportional to count. Each Sensor can connect optional 4 environmental sensors for temperature, relative humidity, air velocity, differential pressure also alarm.

It is very easy to integrate the **PS** in an exist clean room because each sensor includes an internal vacuum pump so that is not necessary to install a vacuum net.

Technical Data

Type:	1) PS 31 2) PS 51
Measurements Principle:	90° Light Spread
Laser Source:	Laser Diode
Channel Size:	1) 0.3 + 0.5 µm 2) 0.5 + 5.0 µm
Measurements Channels:	2
Max. Concentration:	1000000/1 CFM
Flow Rate:	28.3 l/min. (1 CFM)
Counting Efficiency:	> 70 %
Primary Calibration:	Latex Standards
Calibration:	NIST and/or ASTM F-328
Vacuum Generator:	Internal Vacuum Pump 1.0 CFM
Communication Modes:	RS 232 or RS 485 or 4 - 20 ma
Enclosure:	Stainless Steel Enclosure (easy to clean)
Power Supply:	230 V / 50 Hz
Dimensions:	15 x 11 x 32 cm
Weight:	6 kg

Accessories

Included:	Isokinetic sample probe with antistatic tube, calibration certificate
Optional:	Sensors for: temperature and relative humidity, air velocity, differential pressure; tripod with wheels up to 4 m extensible, software, alarm spender