2000 Series
Remote Particle Counter

About

The Setra Systems 2000 Series Remote Particle Counter measures from 0.3 µm up to 5.0 µm with a flow rate of up to 1.0 CFM (28.3 LPM). Integration is easy into a real-time monitoring or building management system via Modbus™ RTU or ASCII. The 2000 Series is the smallest remote particle counter in the market and has easy mounting options. The Setra Systems 2000 Series Remote Particle Counter complies with ISO 21501-4 and includes a 1 year limited warranty.
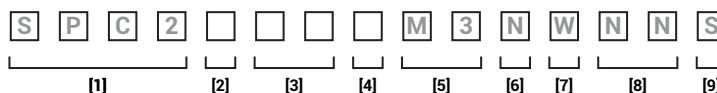
Features

- Measures from 0.3 µm to 5.0 µm
- 0.1 and 1.0 CFM flow rate with on-board pressure loss alarm
- Long-life laser diode technology
- World's smallest 1 CFM remote particle counter
- Seamless integration into a facility monitoring system
- 1 year warranty.
- Ideal for cleanroom, healthcare, and pharmaceutical applications

Specifications

General

Channel sizes	0.3 µm, 0.5 µm, 1.0 µm, 5.0 µm
Counting efficiency	50% at 0.5 µm; 100% for particles > 0.75 µm (per JIS
Concentration limits	500,000 particles/ft^3 at 5% coincidence loss
Light source	Long life laser diode
Zero count level	<1 count/5 minutes (per JIS B9921)
Flow rate	0.1 or 1.0 CFM (28.3 LPM)
Flow control	Critical orifice
Vacuum requirements	External vacuum >15" (38.1 cm) of Hg calibration; NIST traceable
Sample probe/tubing	Isokinetic sampling probe
Communication interface	Modbus RTU or ASCII outputs (specified upon order)
Power	9-30 VDC
Dimensions (L x W x H)[1]	1.8" x 3.7" x 1.5" (4.5cm x 9.3cm x 3.8cm)
Weight	0.62 lb (0.28 kg)
Standards	ISO 21501-4 and JIS B9921
Warranty	1 year limited warranty
Operating conditions	5° to 35°C (41° to 95°F) 20% to 95% RH non-condensing
Storage conditions	-20° to 50°C (-4° to 122°F) up to 98% RH non-condensing
Optional accessories	Isokinetic sampling probe, purge filter, data cable, vacuum and sampling tubing

[1] Does not include probe; body and mounting plate only.

Specifications subject to change without notice.

Ordering information

Example part number: SPC203104M3NWNNS;
SPC2000 Series, 0.3 µm particle size, 1.0 CFM, 4 channels, Standard connectivity with RS232-485 connections, No pump, Wall mount form factor, No on board sensors, standard warranty:

S	P	C	2					M	3	N	W	N	N	S
[1]				[2]	[3]	[4]		[5]		[6]	[7]	[8]		[9]

	[1] Series		[2] Min. particle size		[3] Flow rate		[4] Channels		[5] Connectivity		[6] Pump		[7] Form factor		[8] On board sensor		[9] Warranty	
	SPC2	SPC2000	**3**	0.3 µm	**01**	0.1 CFM	**2**	2 channels	**M3**	Modbus over RS232-485	**N**	No pump	**W**	Wall mount	**NN**	None	**S**	Standard
			5	0.5 µm	**10**	1.0 CFM[1]	**4**	4 channels										

[1] Only available with 0.5 µm minimum particle size

2 YEAR WARRANTY   RoHS   CE