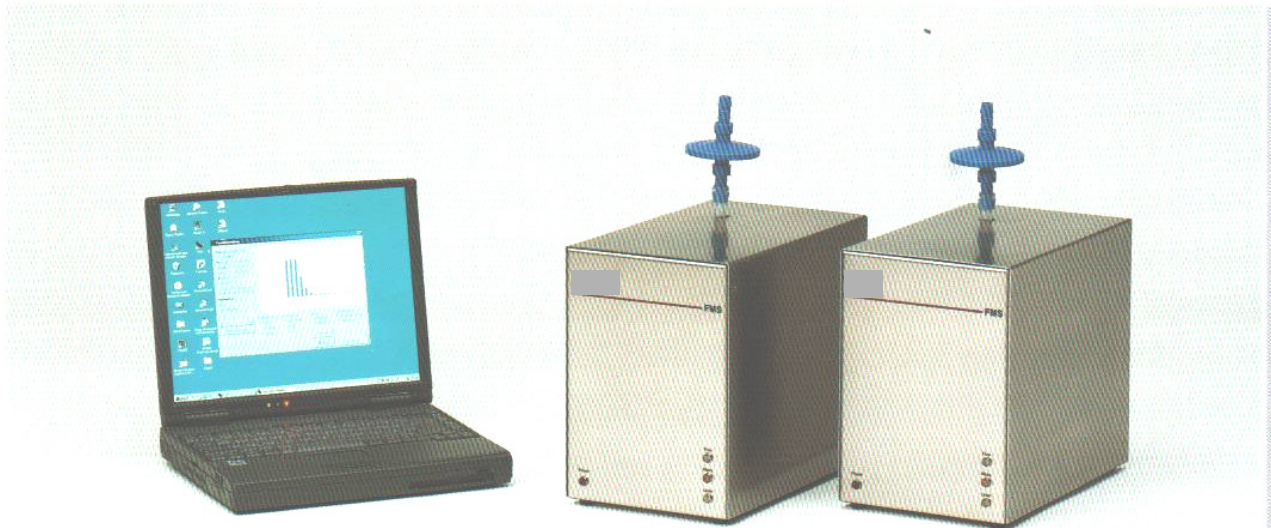


# Particle Sensor *FMS 31 C*



The **FMS 31 C** detects microscopic particles in controlled environments and critical processes so that it 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 **FMS 31 C** offers a sensitivity of 0.3  $\mu\text{m}$  (micron) up to 10.0  $\mu\text{m}$ , a flow rate of 1.0 CFM (28.3 LPM), 16 measurements channels and a flexible connection with the RS-485 or RS-323 communication mode.

The Sensor can connect optional 4 environmental sensors for temperature, relative humidity, air velocity, differential pressure also alarm.

It is very easy to integrate the **FMS** 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

<b>Type:</b>	<b>FMS 31 C</b>
<b>Measurements Principle:</b>	90° Light Spread
<b>Laser Source:</b>	Laser Diode
<b>Channel Size:</b>	0.3 – 10 µm
<b>Measurements Channels:</b>	16
<b>Max. Concentration</b>	1000000/1 CFM
<b>Flow Rate:</b>	28.3 l/min. (1 CFM)
<b>Counting Efficiency:</b>	> 50 %
<b>Primary Calibration:</b>	Latex Standards
<b>Calibration:</b>	NIST and/or ASTM F-328
<b>Vacuum Generator:</b>	Internal Vacuum Pump
<b>Communication Modes:</b>	RS 232 or RS 485
<b>Power Supply:</b>	230 V / 50 Hz
<b>Dimensions:</b>	18 x 25 x 30 cm
<b>Weight:</b>	8 kg

## ACCESSORIES

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