

OS 130

LASER PARTICLE COUNTER



0 - 40 °C

measuring gas temperature

3-8 bar

system pressure

DESCRIPTION

OS 130 is a new generation laser particle counter optimized for applications in compressed air or compressed gases. With quality in mind and with the knowledge of customers needs this instrument is designed for continuous operation 24 hours, 7 days a week. Depending on the selected model there is sensitivity available from 0.1 μm up to 5.0 μm .

OS 130 can fulfill the requirements stipulated in the compressed air standard ISO 8573-4. The measurement values represent the particle counts per ft^3 , l or m^3 or alternatively in $\mu\text{g}/\text{m}^3$. Settings can be done through the integrated display, an external display or through the service software.

APPLICATIONS

- General comp. air systems
- Medical air
- Pharmaceuticals
- Breathable air
- Marine air
- Food and beverage
- Medical engineering
- High speed trains
- Semiconductor fabs
- Conveyance of hygroscopic food
- High tech processes
- Electronics industry

OS 130		
Measuring range	System pressure:	3 ... 8 bar
	Gas temperature:	0 °C ... +40 °C (at inlet)
	Ambient temperature:	10 °C ... +40 °C
	Particle size:	OS 130 A 2 channels: 0.3 - 0.5 μm , >0.5 μm
		OS 130 B 4 channels: 0.2 - 0.3 μm , 0.3 - 0.5 μm , 0.5 - 1.0 μm , >1.0 μm
		OS 130 C 4 channels: 0.5 - 1.0 μm , 1.0 - 3.0 μm , 3.0 - 5.0 μm , >5.0 μm
Counting efficiency		OS 130 D 2 channels: 0.5 - 5.0 μm , >5.0 μm
		OS 130 E 4 channels: 0.3 - 0.5 μm , 0.5 - 1.0 μm , 1.0 - 5.0 μm , >5.0 μm
Counting efficiency	50 %	
Sample flow rate	2.83 l/min	
Gas connection	6 mm quick connection	
Sampling rate	One sample per minute	
Output signal	RS-485, Modbus/RTU, 4 ... 20 mA	
Protection class	IP 65	
Casing dimensions	271 X 205 X 91 mm	
Display / data logger	5" touch screen, 100 million values	
Power supply	24 VDC, 5 W	
Transport temperature	-30 °C ... +70 °C	

omega air

Air and Gas Treatment



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