

Air Count System

Model ACS Plus

High-End Particle Counter with Built-in System Ports



- Access authorization concept with password protection
- Built-in measuring data memory for 50,000 measurements
- USB host for FFD or memory stick for subsequent evaluation of measuring data, in particular for operation at various measuring points
- CAN-BUS Interface for management of a network spanning up to 32 particle sensors (slaves) without need of additional hardware
- Ethernet remote diagnosis administration
- RS232 for service and firmware updates
- CE remote display
- Measuring range beginning at 0,1 micrometer with 16 particle size channels
- Control of a measuring point switch
- Sensor connection facility for temperature, humidity, differential pressure and air velocity (volume)
- Made in Germany by KM - OptoElektronik

Specification

Measuring method	Scattered light 90°
Light source	Model ACS 228 , 328 and 528 : laser diode Model ACS 128 : Helium-neon-laser
Measuring range	ACS+ 528 : 0.5 to 10 μm ACS+ 328 : 0.3 to 10 μm ACS+ 228 : 0.2to 5 μm ACS+ 128 : 0.1to 2 μm , optional measuring range extension to 5 μm
16 particle size classification	depending on sensor system , scaling on customer requirement
Max indicated particle number	99.999999
Max. particle concentration	ACS+328 and 528 : 1000000 particle /1 CFM ACS+128 and 228 : 150000 particle /1 CFM
Flow rate	28.3 l/min(1 CFM)
Scavenging time(adjustable)	0 to 23 h 59min and 59s
Measuring time(adjustable)	1s to 23h 59min and 59s
Data Storage	50,000 measurements
Operation condition	5-35°C, 10-80 % relative humidity Not condensed, 0-6000 m above NN
Interface	Ethernet interface 10 Base- T USB-Host interface 1.1 for Memory stick CAN-interface to the sensor units / slave Floating alarm output Climate sensor connector(T & H, air speeds and pressure difference) Control of a gauge head selector switch
Printer	Thermo-printer 58mm Easy paper load mechanic
Display	Colour-LCD-touch- displ 8.4"
Electric power supply	230/115 VAC, 50/60 Hz, max.400W(Option :Battery type)
Size Dimensions	26 x 33x 15cm
Weight(without battery)	approx 10 kg

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