PARTICLE COUNTER

MODEL
LPC-R203 PLUS

FEATURES

The model LPC-R203PLUS is the particle counter designed suitable for real-time online monitoring particle contamination level by light scattering method. According to ISO21501-4, Monitoring particle contamination level is required in various fields, e.g in the electronic industry, pharmaceutical industry, Semiconductor of precision machines and in medical operations etc. Particle counters are useful instruments for monitoring particle contamination in air. You can choose 2 channels within the range of 0.3㎛ ~ 5.0㎛. Optionally temperature-humidity sensor can be added. As it can manage 20instruments installed at different places through dedicated software, user conveniently install it at the place in which requires the multi-point monitoring.

SPECIFICATION

MODEL	LPC-R203PLUS
Measurement method	Light scattering
Light source	Laser Diode class Ⅲ
Particle size range	0.3~5.0㎛ (2 channel user selectable)
Sensitivity	0.3 ㎛ 50±10 % @25℃ (50±20% ISO21501-4)
Flow rate	0.1 CFM (2.83L/min±5%) (changeable to 1CFM @software)
Data upload	10 sec (1 min cumulation data)
Display	Graphic LCD 128X64
Network interface	IEEE 802.3 Ethernet TCP/IP v4 Option: IEEE 802.11b/g Wireless LAN, IEEE 802.15.1 Bluetooth v2.0 Class2(ISM Band, 2.4 to 2.485GHz)
Operating environment	14℉~122℉ (-10℃~50℃), 20~75% RH
Storage environment	-4℉~140℉ (-20℃~60℃), ≤98% RH
Weight	Body 780g / Body & support 907g
Dimension(W x H x D)	160㎜ x 175(230)㎜ x 65(140)㎜ (with inlet and bottom support)
Power	12VDC, 1A
Battery(optional)	Li-polimer (max. 4 hour)
Zero count	≤1 count per 5 min.
Calibration	Labco calibration system in accordane with ISO-21501-4
Calibration interval	Recommended once per year (ISO 21501-4)
Monitoring program	TEMS 2.Over