



# Microbe Sensor

## Model BM-300C

The BM-300C from Kanomax can detect microbial biomass such as fungi, bacteria and living microbes in as little as 10 minutes. Using a patented heating system that serves as a catalyst to enhance the autofluorescing properties of these biological particles, the BM-300C is able to detect them in real-time, providing early warning of a breach in the controlled environment and making it easier to pinpoint the source.

### Features & Benefits

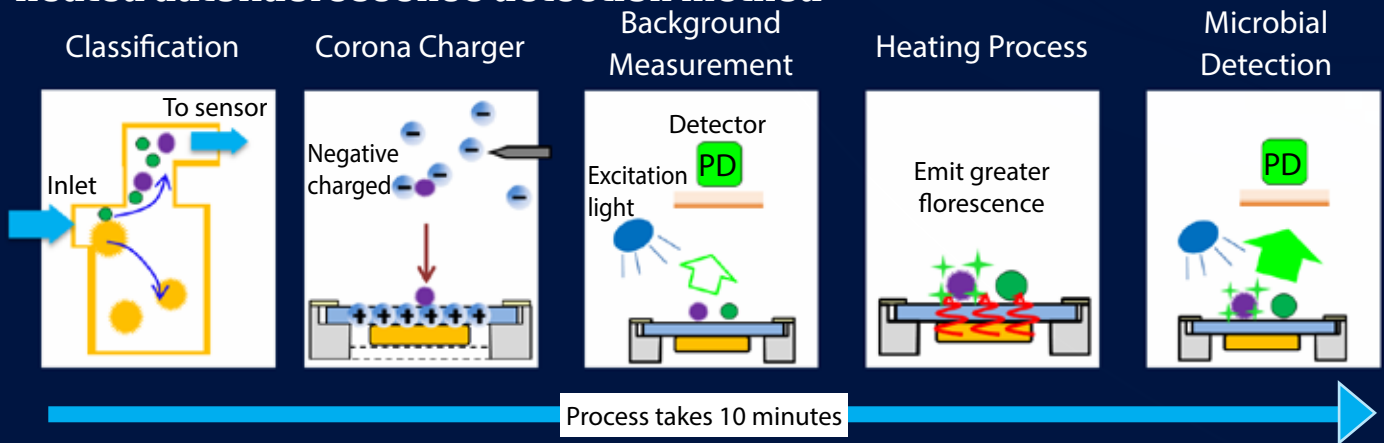
- Real-time Measurement of microbes (in just 10 minutes)
- No special skill required to operate the sensor
- Light weight and compact

### Applications

- Pharmaceutical, cosmetic, food and beverage production facilities
- Medical facilities such as exam and patient rooms
- Cooking and dining facilities



### Heated autofluorescence detection method



# Specifications

Detection Method		Heated Autofluorescence
Recommended Cleanliness Class		Grade C (ISO Class 8) or equivalent
Sampling Time		5 to 120 minutes (in 1 minute increments)
Detection Time		10 minutes (fixed)
Measurement Interval		Continuous, 10 to 1440 (24 hours) minutes (in 1 minute increments)
Number of Measurements		Continuous, 1 to 99 times
Data Output Mode		Fluorescence intensity (V/sec) or Calculated Microbe Biomass (pcs/m <sup>3</sup> )
Data Storage (internal memory)		Maximum 5,000 measurements
Data File Format		CSV
Dimensions		W214 x D214 x H194.5 mm excluding protrusions
Weight		3.5kg, 4 kg (with optional battery)
Power Supply	AC Adapter	100 to 240 VAC, 50/60Hz
	Battery (Option)	Litium Ion Rechargeable battery, Max 16 hours continuous operation
Power Consumption		28 VA +/- 25% with the AC adapter
Operating Environment		10 to 40°C, 85% RH or less (non condensing)
Storage Environment		-10 to 50°C, 90% RH or less (non condensing)
Interface	Ethernet	1 port (10BASE-T/100BASE-TX)
	USB	1 port (USB2.0) only for a FAT formatted USB memory
Display		Monochrome LCD, 2 lines x 16 characters
Audible Alarm		Buzzer, sounds at above set limit
Accessories		AC adapter, Instruction Manual, Software



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