TECHNICAL FEATURES OF INFORMATICS AND SENSING SYSTEMS

Measurement Parameters	Technical Specifications
PM1, PM2.5, PM10	-Tech: Laser scattering - Measurement parameters: PM2.5, PM10 in µg/m3 - Range of PM1: 0-999 µg/m3 - Range of PM2.5: 0-999 µg/m3 - Range of PM10: 0-1999 µg/m3 - Minimum resolution of < 0.3 µm - Relative error Maximum of ±10% and ±10µg/m3
CO2	-Tech: NDIR Dual wavelength - Range of CO2: 0 to 5000 ppm - Accuracy: 3% or 50ppm - Warm up time: 2 minutes - Self-calibrating. Can also manually calibrate on-site.
Temperature	- Range: 10 to 60 deg C. - Error: 1 deg C.
Humidity	- Range: 10-90% - Error: 3% - Resolution: 1%
TVOC	- Range: 125-600ppb - Resolution: 1ppb - Accuracy: 15%

System requirements	Wi-Fi / GSM / 4G/ 5G CONNECT READY SYTEMATICS
BMS compatibility	Yes
Connectivity options	RS485, RS232, BACnet, Modbus options available
Type	Integrated units- Handheld, mount, desk- device setups
Certification	Certified monitor accredited for COVID CARE VALUES for deterrence
Remote monitoring	Integrated Dashboards.
Display	Optional
Dashboard Display	Displays showcasing indoor vs outdoor air-care and pathogen deterrence-quality to user systems with displays integrations.
Calibration	- On-site sensor care - Calibratable - Seasonal remote calibration
Battery backup	Power integrated- up to 6 hours - 2600mAH rechargeable battery
Data logging	Data logging if connectivity not available
Power voltage	5V DC
Dimensions (H x W x D)	11.6 x 11.6 x 6 (cms)
Weight	less than 1 kgs
Calibration	iCOVID-CARE compatible units with integrations