

Ambient Air Quality Monitoring Analyzer



**Dual Channel PM 2.5 & PM10 Analyzer
with Beta Attenuation Method**

Content Name	Descriptions			
Parameter	PM2.5, PM10			
Concentration Range	(0- 1000) $\mu\text{g}/\text{m}^3$ (0- 10000) $\mu\text{g}/\text{m}^3$			
Beta detecting type	Beta ray attenuation			
Additional parameters (Optional – as per the requirement)	NO _x Chemiluminescence method (0-500ppb)	SO ₂ Ultraviolet Fluorescence (0-500ppb)	CO NDIR (0-50 ppm)	O ₃ UV photometric absorption technology (0-500ppb)
Accuracy	$\pm 2\%$			
Full-Scale Value	1.5mg/cm ²			
Flow	Constant flow of 16.7L/min			
Filter tape	Glass fiber filter paper			
Beta source	14C			
lowest Detectable limit	$\leq 2\mu\text{g}/\text{m}^3$			
Resolution	$\pm 2\%$			
Ambient Temperature	$-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$, error of indication $\pm 0.5^{\circ}\text{C}$			
Operation	Touch Screen			
Ambient Air Pressure	60kPa~110kPa, Error of indication $\pm 2.5\%$			
Interface	Serial communication, analog, 4G, Ethernet			
Sampling Deviation	$\pm 2\%$ (16.7L/min as constant value)			
Calibration	Standard diaphragm (single or multi point)			
Noise	$\leq 65\text{dB}$			
Operating	Environment Temperature $20^{\circ}\text{C} \sim 50^{\circ}\text{C}$			
Humidity	$\leq 80\%$			
Fault	Alarm Abnormal data, break warning, Data error, tapefault, flow error, power failure maintenance			
Power supply	AC220V $\pm 20\text{V}$			
Data display Period	60 min			
Acquisition cycle	60 min			
Data Storage	On-board storage			
User interface	7 inch Touch screen			