

(960) 3344091 : ۰۰۰۰



1439	فُرْعَوْنُ بْنُ مَرْ	11
2018	جَعْفَرُ بْنُ	24

PARTICLE SENSING	SIZES	RANGE	ACCURACY	LOWER DETECTABLE LIMIT (20)
Laser scattering	PM _{2.5}	0 to 1000 µg/m ³	<±(10 µg/m ³ + 5% of reading)	<1 µg/m ³
	PM ₁₀	0 to 1000 µg/m ³	<±(10 µg/m ³ + 10% of reading)	<1 µg/m ³

GAS SENSING	RANGE (ppb)	RESOLUTION / ppb	NOISE	LOWER DETECTION LIMIT / ppb	PRECISION	LINEARITY (% OF FS)	DRIFT 24 HOUR
			ZERO / ppb; SPAN % OF READING				ZERO / ppb; SPAN % OF FS
Ozone (O ₃)	0-200	1	<1 <2%	1	<4% of reading or 4 ppb	<3%	<2; 1%
Nitrogen Dioxide (NO ₂)	0-500	1	<2 <4%	2	<8% of reading or 8 ppb	<6%	<4; 1%

SYSTEM SPECIFICATIONS	
Control System	Single board computer, 1.2GHz quad-core, 1GB SDRAM, 16GB SDHC Storage, Linux Operating System
Communications	Standard: WIFI, 3/3.5/4G cellular modem
Software	Connect: for setup and field service. Installed on device and accessed via web browser Cloud: for instrument and data management. Runs on secure 'cloud' servers, accessed via web browser. Features: configuration, diagnostics, journal, calibration and data acquisition, plus SMS and email alerts, auto data export via FTP and email, and data export API
Data logging	16GB SDHC Storage (>2 years data storage)
Averaging period	1 min, 5 min, 10 min, 15 min, 20 min, 30 min, 1 hr, 2 hr, 4 hr, 8 hr, 12 hr, 24 hr
Power system	12VDC plug pack (90 to 260VAC input) 24W (rated for -10°C to 40°C) Cable: 5m
Enclosure	Weather proof IP33 with solar shield
PM Sampling System	Inlet: 4cm anti-static inlet Sampling: 5V DC fan
Gas Sampling System	Inlet: Teflon, stainless steel Sampling: 5V DC fan
Dimensions	215H x 170W x 125D mm (including solar shield armour & mounting brackets)
Weight	<1 kg
Environmental operating range	-10°C to +40°C
Mounting	Mounting bracket included for pole, tripod or wall
Life expectancy	System: 5 years Sensors: ~12months based on 0-50 µg/m ³ annual average PM ₁₀
Other measurements	Temperature: -40°C to 125°C; Relative Humidity: 0 to 100%; Dewpoint: -30°C to 50°C