

Technical Specification

AirSentric AR10-B-118-A



NDIR CO₂ Sensor	
Sensing Range	0 to 5,000 ppm / 0.04 to 2% volume CO ₂
Accuracy	+/-3% of reading
Particulate Matter Sensor	
Particle Sizes	PM1, PM2.5, PM4, PM10 (0.3 – 10µm)
Sensing Range	0 – 1000 µg/m ³
Accuracy (PM1, PM2.5)	+/-10%
Accuracy (PM4, PM10)	+/-25%
TVOC Sensor	
Measurement Range	0-500 Index points and 0-1,000 ppb
Accuracy	+/- 5 VOC Index points
Temperature Sensor	
Temperature range	0 to 50°C
Accuracy	(at -10 to 85 °C) ±0.3 °C (typical)
Stability	< 0.01 °C/Y
Humidity Sensor	
Humidity range	5 to 95% RH continuous
Accuracy	(at 0–90% RH) ± 5% RH (max)
Stability	< 0.25 %RH/yr
Size & Weight	
Size	Size (LxWxD) – 4in (100mm) x 6in (150mm) x 1.8in (45mm)
Weight	320g (enclosure weight without power adapter)
Connectivity	
Zigbee	GY36 Zigbee to Ethernet Gateway, 2.4Ghz, up tp 30m range
Wi-Fi	802.11 b/g (optional subject to MOQ)
Power	
Power Supply	100-240V International Adapter, DC 12V +/- 10%, 420mA
Power Cable	2 metres
Power Consumption	250mA @ 12V
Power over Ethernet	PoE option available
Operating Temperature	
Range	0°C to 50°C (32 F to 122 F)
Calibration	
Auto-calibration	CO ₂ NDIR self-calibration
Calibration service	Typically not required within 5 years, annual service option available
Accessories	
Mounting	Wall mount bracket supplied
Elbow connector	Extended elbow connector (2metre) – optional
Software	
User interface	HEX cloud-based account
Compliance / Certification	
Accreditation	RESET Air accredited
Compliance	CE FC RoHS