



Tongdy MSD-16

INDOOR AIR QUALITY MONITOR



SENSOR SPECIFICATIONS		
Particulate Matter 2.5 (PM2.5)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Laser Particle Sensor (Light Scattering) 0 - 800 µg/m ³ 0.1 µg/m ³ ±10% (25°C, 10 - 60% RH)
Total Volatile Organic Compounds (TVOCs)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Metal Oxide Semiconductor Sensor (MOS) 0 - 3.5 mg/m ³ 0.001 mg/m ³ ±0.05mg and 10% (@ 25°C, 10 - 60% RH)
Carbon Dioxide (CO ₂)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Non-Dispersive Infrared Detector (NDIR) 0 - 5000 ppm 1 ppm ±40 ppm and 3% (@ 25°C, 10 - 60% RH)
Temperature	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	High Precision Digital Integrated Temperature and Humidity Sensor -20 - 60°C 0.01°C ±0.5°C
Relative Humidity	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	High Precision Digital Integrated Temperature and Humidity Sensor 0 - 99%RH 0.01%RH ±3.0%RH
BASIC INFORMATION		
DIMENSIONS Length: 130 mm (5.12 in) Width: 130 mm (5.12 in) Height: 45 mm (1.77 in)	WEIGHT Unit Weight: 495 g (1.09 lbs)	CONNECTIVITY & INTEGRATION - Wi-Fi Connection 2.4GHz 802.11b/g/n - RJ45/TCP - RS-485/RTU
OPERATIONAL ENVIRONMENT Operating Temperature: 0 - 50°C Operating Humidity: 0 - 90%RH		DATA STORAGE & LOGGING Log Interval: 1 minute (adjustable) Data Push Interval: 1 minute (adjustable) Onboard Memory: N/A
POWER CONSUMPTION Input: 18-24vDC or 100-240vAC Operating: 1.9W @ 24v 4.5W @ 230v	BATTERY Capacity & Voltage: N/A Usage Time: N/A	WARRANTY & DURABILITY Warranty: 1 year Expected Lifespan: 5 years
ACCESSORIES - Installation Bracket - Power Adapter		OTHER CERTIFICATIONS - CE

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This indoor air quality monitor has met the RESET™ Air Performance Standard for Commercial Grade (B) Monitors and is accredited for use in projects pursuing RESET™ Certification.