



# TBL TCS Series

## INDOOR AIR QUALITY MONITOR

SENSOR SPECIFICATIONS		
Particulate Matter 2.5 (PM 2.5)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Laser Particle Sensor (Light Scattering) 0 µg/m <sup>3</sup> - 500 µg/m <sup>3</sup> 0.1 µg/m <sup>3</sup> ±5% (@ 77°F, 0% RH - 60% RH)
Total Volatile Organic Compounds (TVOCs)	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Metal Oxide Semiconductor Sensor (MOS) 0 µg/m <sup>3</sup> - 3.5 µg/m <sup>3</sup> 0.001 µg/m <sup>3</sup> ±0.05 µg/m <sup>3</sup> and 15% (@ 77°F, 10% RH - 60% RH)
Carbon Dioxide (CO <sub>2</sub> )	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	Non-Dispersive Infrared Detector (NDIR) 0 ppm - 2000 ppm 1 ppm ±50 ppm and 3% (@ 77°F, 10% RH - 80% RH)
Temperature	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	High Precision Digital Integrated Temperature and Humidity Sensor -4°F - 140°F 0.018°F ±0.5°F
Relative Humidity	Sensor Type: Measuring Range: Sensor Output Resolution: Accuracy:	High Precision Digital Integrated Temperature and Humidity Sensor 10% RH - 60% RH 0.01% RH ±3.0% RH
BASIC INFORMATION		
<b>DIMENSIONS</b> Length: 180 mm (5.12 in) Width: 125 mm (5.12 in) Height: 65.5 mm (1.77 in)	<b>WEIGHT</b> Unit Weight: 850g (1.87 lbs)	<b>CONNECTIVITY &amp; INTEGRATION</b> - Wi-Fi IEEE 802.11 b/g/n 2.4 GHz - RJ45/TCP - RS485/RTU
<b>OPERATIONAL ENVIRONMENT</b> Operating Temperature: -4°F - 140°F Operating Humidity: 0% RH - 99% RH		<b>DATA STORAGE &amp; LOGGING</b> Log Interval: 1 minute (adjustable) Push Interval: 1 minute (adjustable) Onboard Memory: N/A
<b>POWER CONSUMPTION</b> Input: 24VAC/VDC or 100-240VAC Operating: 1.9W @ 24VDC 4.5W @ 230VAC	<b>BATTERY</b> Capacity & Voltage: N/A Usage Time: N/A	<b>WARRANTY &amp; DURABILITY</b> Warranty: 1 year Expected Lifespan: 5 years
<b>ACCESSORIES</b> - Installation Bracket - Power Adapter		<b>OTHER CERTIFICATIONS</b> - 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.