

WAQM Portable Air Monitoring System

Precision Measurement with Built-In Power

- **No infrastructure investment**
- **Easy to move and deploy**
- **Environmentally friendly**

The Wanco® WAQM Portable Air Monitoring System provides high-precision FEM quality instrumentation on a robust mobile platform with built-in power.

The AQSync Air Quality Monitoring Station by 2B Technologies combines multiple instruments for an all-in-one solution to satisfy EPA and local regulatory requirements.

System power is supplied by batteries, continuously and automatically charged by the solar-based charging system.



For information or to place an order:

Air monitoring
Mobile platform

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AQSync raised over 8 feet off the ground

Telescoping tower with hand-crank winch

Tilting drawbar for compact storage

Maintenance-free AGM batteries

Compact trailer weighs less than 1800 lbs. and can be towed by most vehicles



Automatic solar charging provides continuous autonomous operation

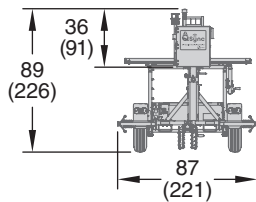
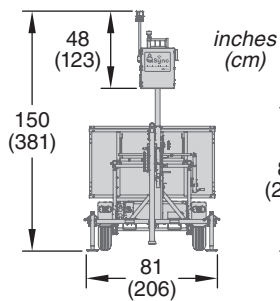
Solar array tilts to nearly vertical for optimal charging

High-security battery box with puck-style locks

All-welded structural steel frame

Deployed

Service/Storage



Meteorology



Optical particle counter for PM₁, PM_{2.5} and PM₁₀

FEM absorbance for O₃, NO₂ and NO

methane and other options

AQSync 2B Tech's high-precision FEM instruments for O₃, NO₂ and NO
FEM quality optical particle counter with sheath flow and heated inlet for PM₁, PM_{2.5} and PM₁₀
Meteorological station including sonic anemometer
Data access and instrument control via the cloud, and locally with touchscreen control

Tower Telescoping tower with manual winch
Integrated AQSync support bracket with anti-shock suspension
Easily attach/remove AQSync, secured to tower with locking hitch pins

Power 730W solar array, 400Ah battery bank in high-security battery box
Smart MPPT solar charge controller for outstanding power efficiency

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