

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.



Model WAQM



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

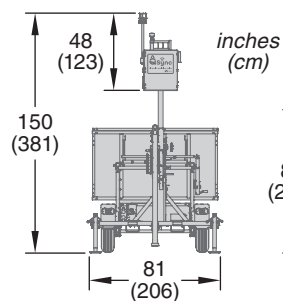
Automatic solar charging
provides continuous
autonomous operation

Solar array tilts to nearly
vertical for optimal charging

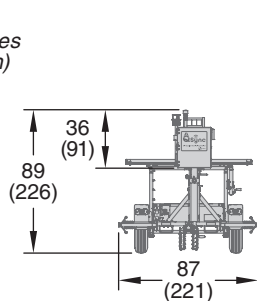
High-security battery box
with puck-style locks

All-welded structural steel
frame

Deployed



Service/Storage



Meteorology

NDIR
absorbance
for CO₂

Amperometry
for CO

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

FEM absorbance for
O₃, NO₂ and NO

Photoionization for
total VOC

BTEX, 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
Reliable measurements for CO₂, CO and tVOCs
Meteorological station including sonic anemometer
Tunable diode laser for methane
Micro GC for BTEX
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

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

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