



# AQSYNC AIR QUALITY MONITORING STATION

## The Best of the Best in One Package

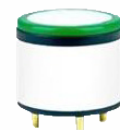
- 2B Tech's High Precision FEM Instruments for  $O_3$ ,  $NO_2$  and  $NO$
- FEM Quality Instrument for  $PM_{10}$ ,  $PM_{2.5}$ ,  $PM_{10}$
- Reliable Measurements for  $CO_2$ ,  $CO$ , and tVOCs
- Meteorological Station Including Sonic Anemometer
- Methane and BTEX Modules Available
- Data Access and Instrument Control via the Cloud

# BRING IT ALL TOGETHER WITH THE AQS SYNC

- ✓ FEM absorbance measurements for  $O_3$ ,  $NO_2$  and  $NO$
- ✓ Optical particle counter with sheath flow and heated inlet for  $PM_{10}$ ,  $PM_{2.5}$ ,  $PM_{1.0}$
- ✓ Photoionization for total VOCs
- ✓ Amperometry for  $CO$
- ✓ NDIR absorbance for  $CO_2$
- ✓ Power stingy requirements enable options for powering with battery or solar panel
- ✓ Tunable-Diode Laser for Methane; MicroGC for speciated BTEX

ONE DEVICE  
TO DO THE WORK...

OF ALL OF THESE.



# SPECIFICATIONS AND FEATURES

Measurements	O <sub>3</sub> (FEM), NO <sub>2</sub> (FEM), NO, PM <sub>1</sub> , PM <sub>2.5</sub> , PM <sub>10</sub> , tVOCs, CO, CO <sub>2</sub> , CH <sub>4</sub> , BTEX, T, P, RH, wind speed, wind direction
Operation	Touchscreen or remotely via the Web
Data Transmission	Cellular, WiFi, Ethernet, Modbus (TCP), SD card
Power Requirements	120/240 VAC or 12 V DC, solar ready
Enclosure	Rugged NEMA 4X, IP67
Dimensions	25.5" H x 25.5" W x 10.3" D (with weather station, height is 49")
Weight	54.7 lb (dependent on modules chosen)

## EXPAND POSSIBILITIES

- Place a network of AQSyncs at public sites to increase community monitoring
- Use the AQSync to calibrate sensor networks
- Extend air quality monitoring to sparse data areas or remote locations
- Quickly deploy reliable instrumentation for forest fires or other emergency response
- Utilize the AQSync on a solar trailer for road-side monitoring during construction