



METER

ATMOS 22

SONIC ANEMOMETER



ATMOS 22 QUICK START

Preparation

Inspect that all ATMOS 22 components arrived intact. Items needed for installation are a 13-mm (1/2-inch) wrench and a secure mounting location. METER recommends a meteorological stand, pole in cement, or tripod with a 31.8- to 50.8-mm (1.25- to 2-inch) diameter.

Before beginning installation, consider the surroundings.

Many installations require the ATMOS 22 to be mounted 2 m above ground, but this can be adjusted as needed.

Please read the complete *ATMOS 22 User Manual* at metergroup.com/atmos22-support. All products have a 30-day satisfaction guarantee.

Connecting

Plug into data acquisition system

Connect the 3.5-mm plug into a METER Em50, EM60, or ZENTRA series data logger and configure it to read the ATMOS 22 (refer to *ATMOS 22 User Manual*). Be sure to select a nonzero measurement interval to ensure data are being logged.

To connect to a non-METER data logger, refer to the *ATMOS 22 Integrator Guide* at metergroup.com/atmos22-support.

Verify readings

Use the Scan function in the software to show a list of readings. Verify these readings are within expected ranges.

ATTENTION

ATMOS 22 requires the following software and firmware versions. Please make updates as necessary.

Em50 firmware 2.26 or higher

ProCheck firmware version 1.66 or higher

ECH2O Utility version 1.80 or higher

DataTrac 3 version 3.14 or higher

EM60 firmware 1.09 or higher

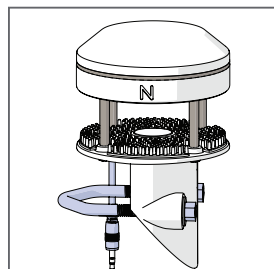
ZENTRA Utility version 1.07 or higher

For non-METER systems read the information located at metergroup.com/environment/articles/tech-note-ds-2-to-atmos-22

Installation

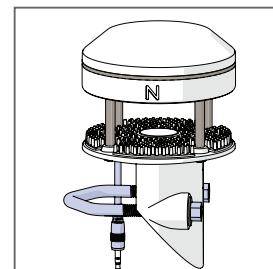
1. Install on Mounting Pole

The ATMOS 22 is fitted with a V-bolt, allowing it to be mounted on top of most posts, poles, tripods, etc.



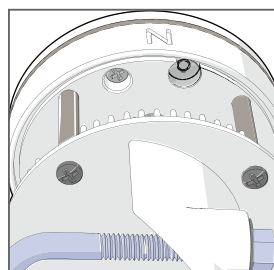
2. Mount Toward True North

The ATMOS 22 must be oriented with the engraved **N** on the instrument oriented to true north (not magnetic north).



3. Level the System

Use the bubble level underneath the ATMOS 22 or a ProCheck display to level the sensor. The mounting pole may need to be leveled or shims may need to be applied.



4. Secure the System

Use a wrench to tighten the bolts, securing the ATMOS 22 flat and tight against the top of the stand.

