



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.

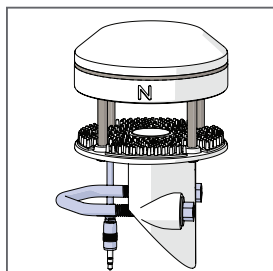
- Em50 firmware 2.26 or higher
- ProCheck firmware version 1.66 or higher
- ECH2O Utility version 1.80 or higher
- DataTrac 3 version 3.14 or higher
- EM60 firmware 1.09 or higher
- ZENTRA Utility version 1.07 or higher

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

Installation

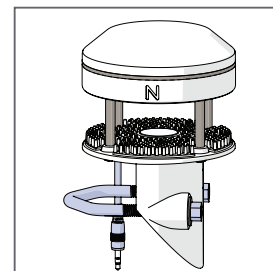
1. Install on Mounting Pole

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



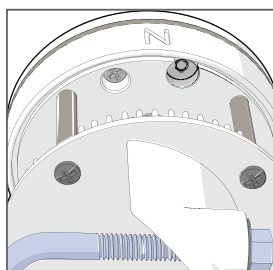
2. Mount Toward True North

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.

