



METER

ATMOS 41

ALL-IN-ONE WEATHER STATION



ATMOS 41 QUICK START

Preparation

Inspect that ATMOS 41 components arrived intact. You will need 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-mm to 50.8-mm (1.25-inch to 2-inch) diameter. If using ATMOS 41 compass, mount on nonferrous pipe.

Before beginning installation, consider the surroundings. Avoid obstructions and verify all sensors read within expected ranges.

Many installations require the ATMOS 41 to be mounted 2 m above ground, but this can be adjusted as needed.

Read the complete *ATMOS 41 User's Manual* at <https://www.metergroup.com/environment/products/atmos-41-weather-station/>. All products have a 30-day satisfaction guarantee.

Connecting

Plug into data acquisition system

Connect the 3.5-mm plug into a METER EM60 or ZENTRA series data logger and configure it to read the ATMOS 41 (refer to *ATMOS 41 User's Manual*). Be sure to select a nonzero measurement interval to ensure data are being logged.

To connect to a non-METER data logger, see the *ATMOS 41 Integrator's Guide* (<https://www.metergroup.com/environment/products/atmos-41-weather-station/>).

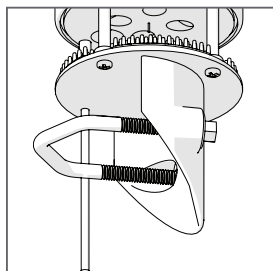
Verify readings

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

Installation

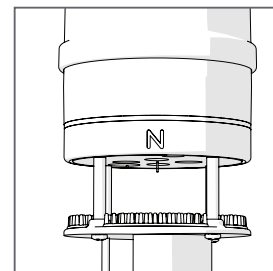
1. Install on Mounting Pole

The ATMOS 41 is fitted with a V-bolt, allowing it to be mounted on top of most posts, poles, tripods, etc.



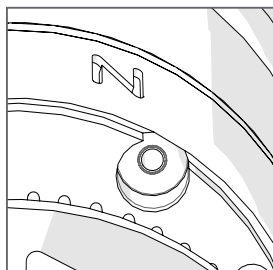
2. Mount Toward True North

The ATMOS 41 must be oriented with the engraved **N** on the instrument oriented to true north (not magnetic north). If mounting on a nonferrous post, the wind direction compass correction can be turned **ON**, preventing the need for orientation to north. See the full manual for more details.



3. Level the System

Use the bubble level underneath the ATMOS 41 or a ProCheck display to level the weather station. 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 41 flat and tight against the top of the stand.

