



# ATMOS 41 ALL-IN-ONE WEATHER STATION

METER



## SUPPORT

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

### NORTH AMERICA

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# ATMOS 41 QUICK START

## Preparation

Verify that all ATMOS 41 components arrived intact. Installation will require a 13-mm (1/2-in) 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-in) diameter. If using the ATMOS 41 compass, mount on nonferrous pipe.

Set up and test the system (sensors and data loggers) in a lab or office. Ensure the data loggers are using up-to-date firmware and software. Verify all sensors read within expected ranges.

Before beginning installation, consider the surroundings and avoid obstructions. Many installations require the ATMOS 41 to be mounted 2 m above ground, but this can be adjusted as needed.

Please read the complete ATMOS 41 User Manual at [metergroup.com/atmos41-support](http://metergroup.com/atmos41-support). All products have a 30-day satisfaction guarantee.

## Connecting

### Plug into Data Acquisition System

Connect the stereo plug connector into any METER data logger and configure it to read the ATMOS 41 (refer to [ATMOS 41 User Manual](#)). Select a nonzero measurement interval to ensure data are being logged.

To connect to a non-METER data logger, see the ATMOS 41 Integrator Guide at [metergroup.com/atmos41-support](http://metergroup.com/atmos41-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 41 requires the following software and firmware versions. Please make updates as necessary.

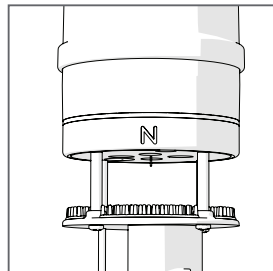
**ZL6** firmware version 2.02 or higher  
**PROCHECK** firmware version 1.67 or higher  
**ZENTRA Utility** version 1.09 or higher

Go to [metergroup.com/environment/downloads](http://metergroup.com/environment/downloads) to find the current software or firmware version for the data logger being used.

## Installation

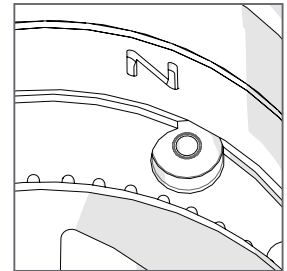
### 1. Mount Toward True North

The ATMOS 41 must be oriented with the engraved **N** on the instrument oriented to true north (not magnetic north).



### 2. Level the System

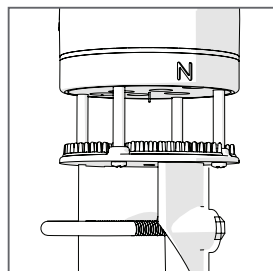
Use the bubble level underneath the ATMOS 41 or a PROCHECK display to level the weather station. The mounting pole may need to be leveled or shims may need to be applied.



### 3. Secure the System

Tighten the V-bolt nuts by hand until hand-tight, and then gently tighten with a wrench.

**CAUTION: Do not overtighten V-bolt.**



### 4. Plug Sensor In and Configure Logger

Plug stereo plug connector into the data logger. Use data logger software to apply appropriate settings to the sensors plugged into each data logger port.

