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Air Velocity Transmitter Quick Start Guide SP+

Help Version updated till firmware 1.0.5233

What is the AKCP Air Velocity Transmitter?

AKCP offers this air velocity sensor or transmitter as a sensor that is designed to be mounted in air vents or air intake or outtake cooling ducts.

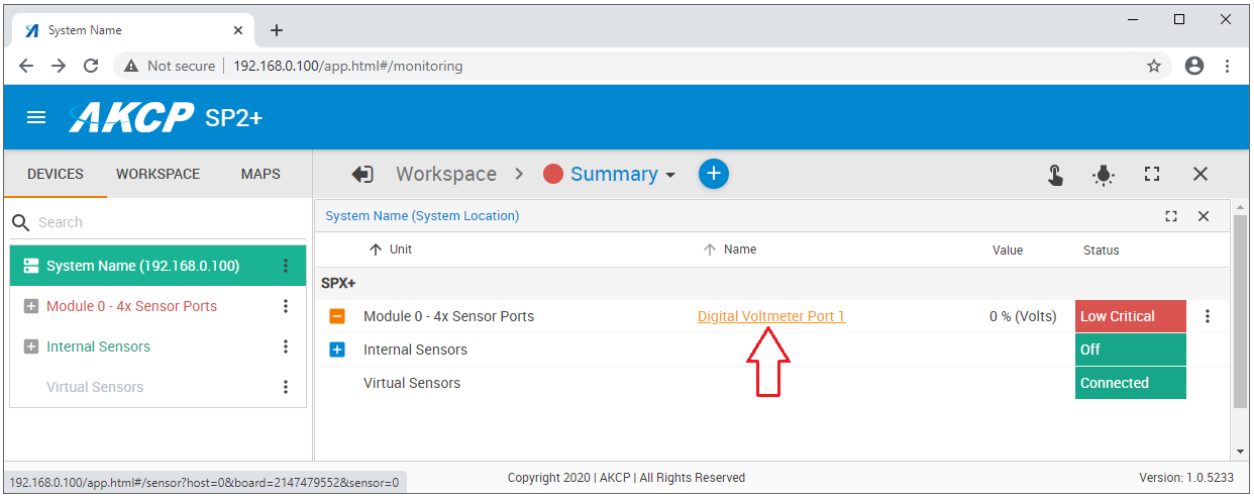
This sensor can measure the percentage of airflow and this reading can be displayed on our sensorProbe+ base units web interface. The measurements can also be graphed over time.

Installation and Setup

The first step in setting up the air velocity sensor would be to mount the sensor in the air duct using the instructions included in the packaging for the sensor.

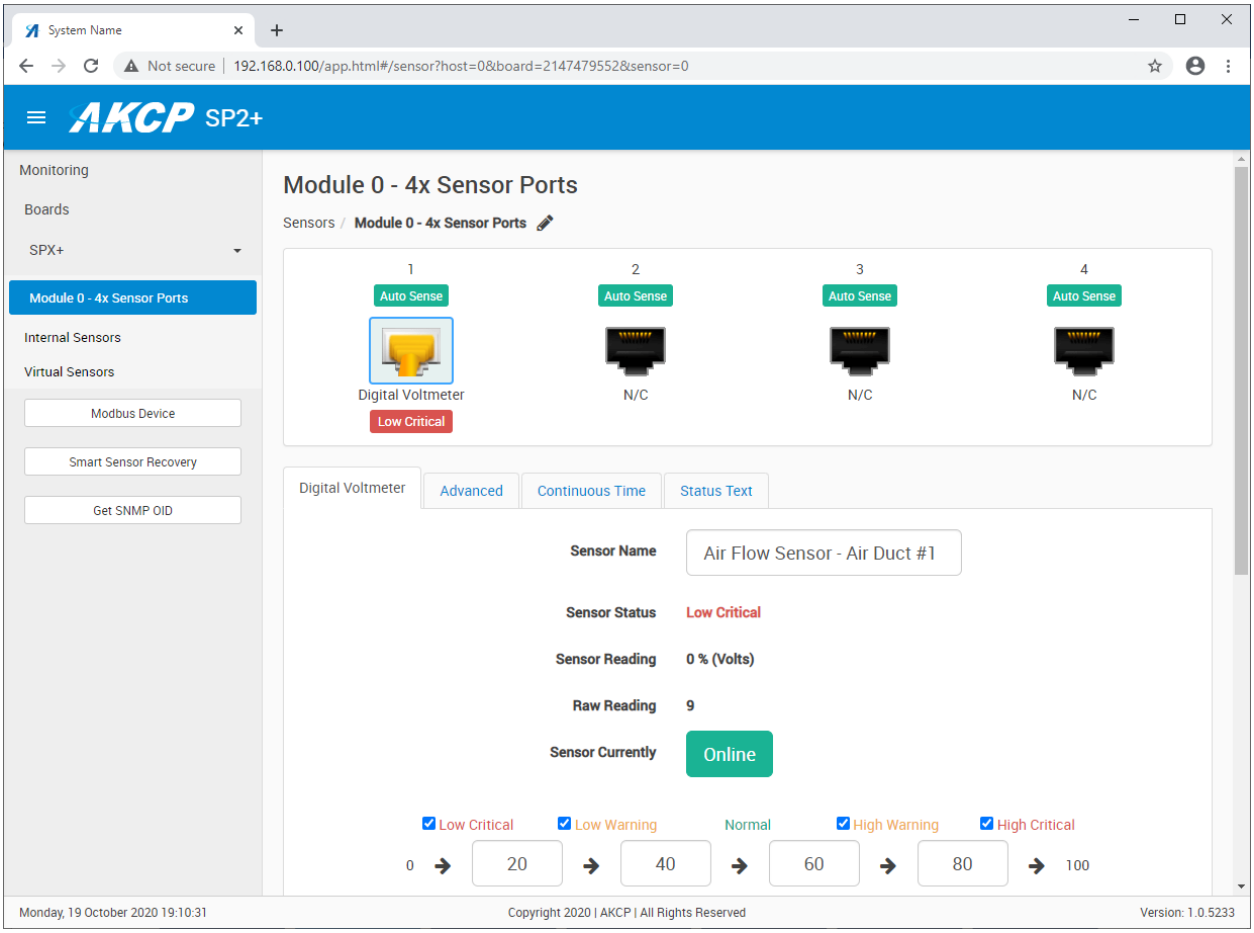
Next you would connect the RJ-45 connector from the sensor to the Intelligent Sensor port at the back of the SPX+ / SP2+ base unit.

Now login to the unit's web interface as the admin and proceed as follows:

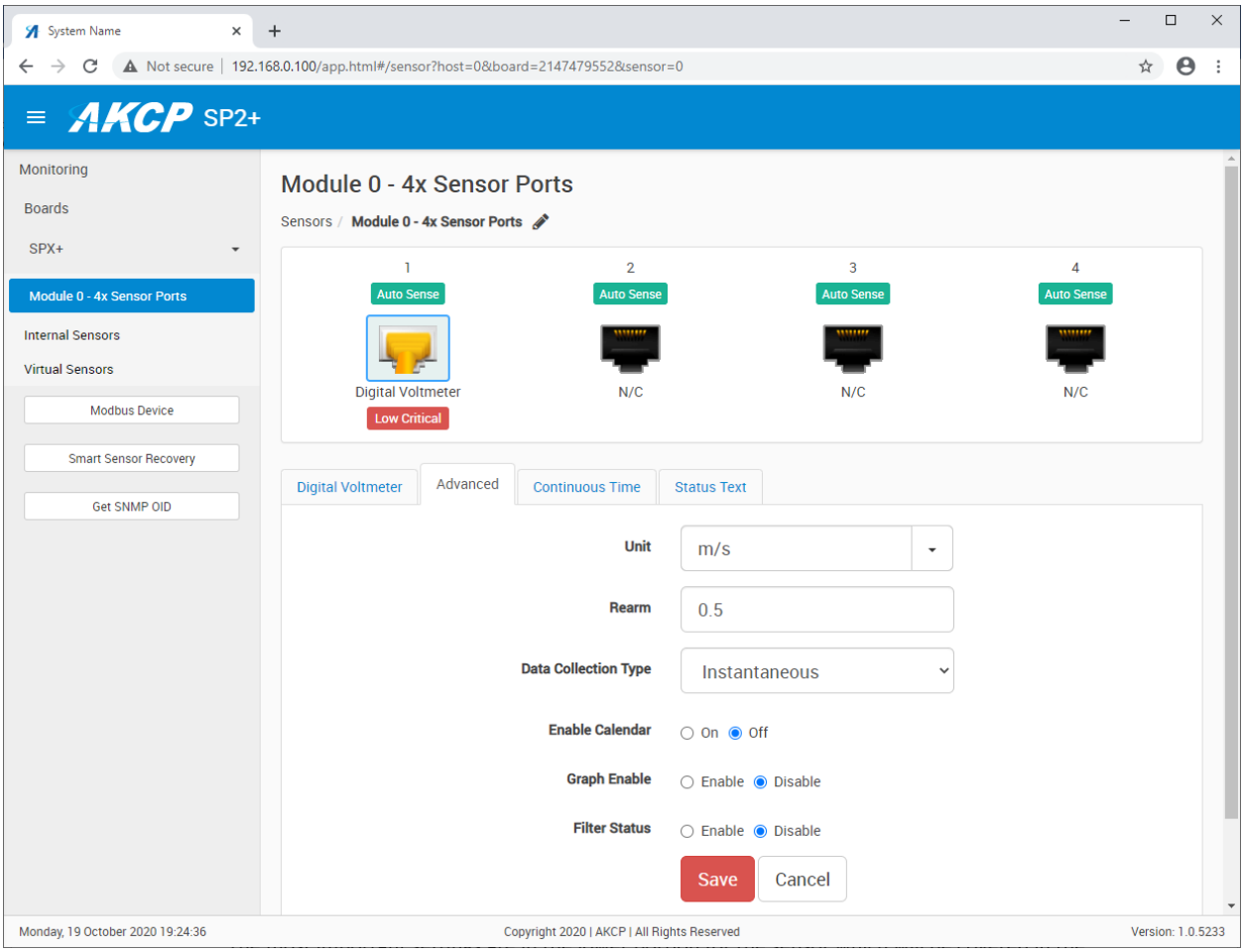


After logging into the base unit's web interface open the Summary page. The sensor will first be auto detected as the Digital Voltmeter and the status will be Low Critical as shown in the screen shot above.

Click on the link in the Name column, the Digital Voltmeter link.

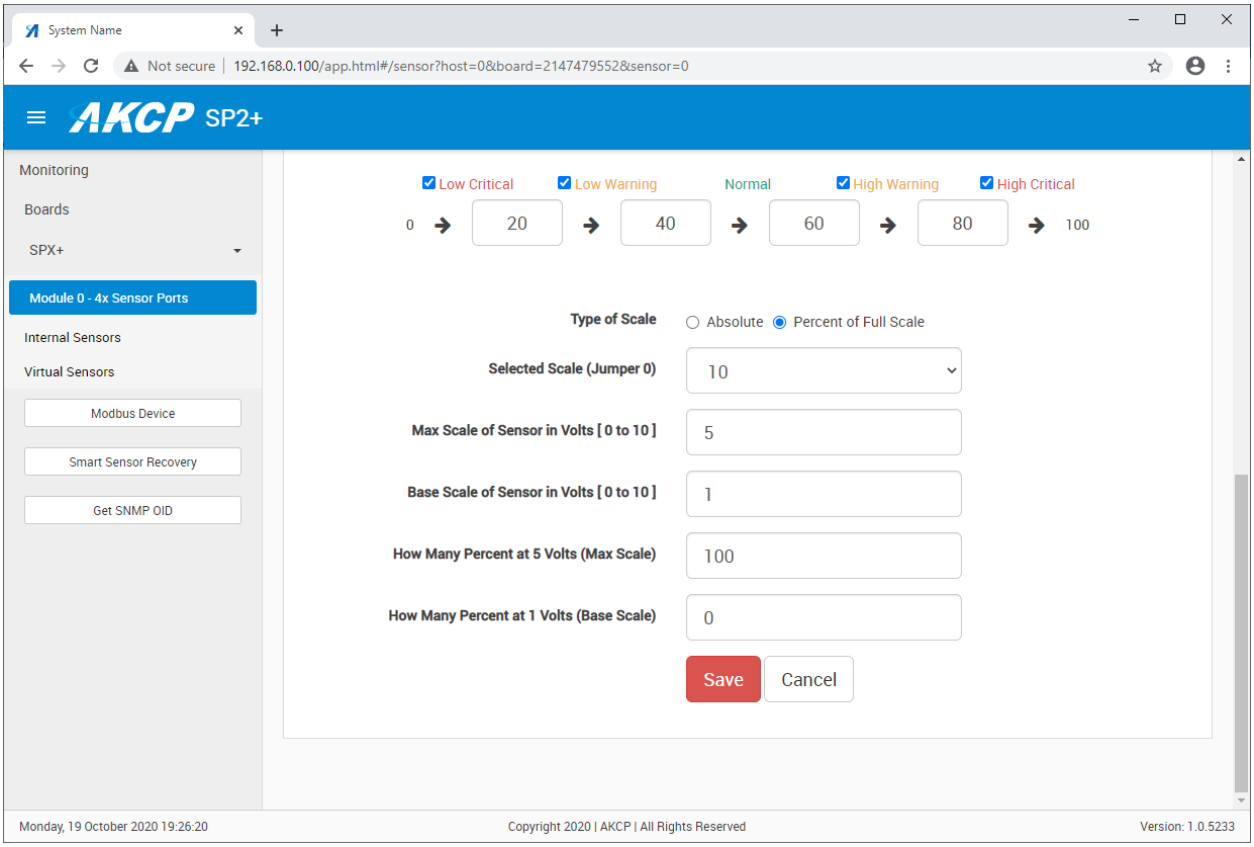


In the Digital Voltmeter page shown above you can rename the Air Flow sensor to anything you wish and also set your thresholds for the alerts. I had already changed some settings in the example and the reason the “Air Flow” is already showing.



You can change the Unit from Volts to m/s as shown above.

Some important settings are in the lower portion of the Digital Voltmeter tab.

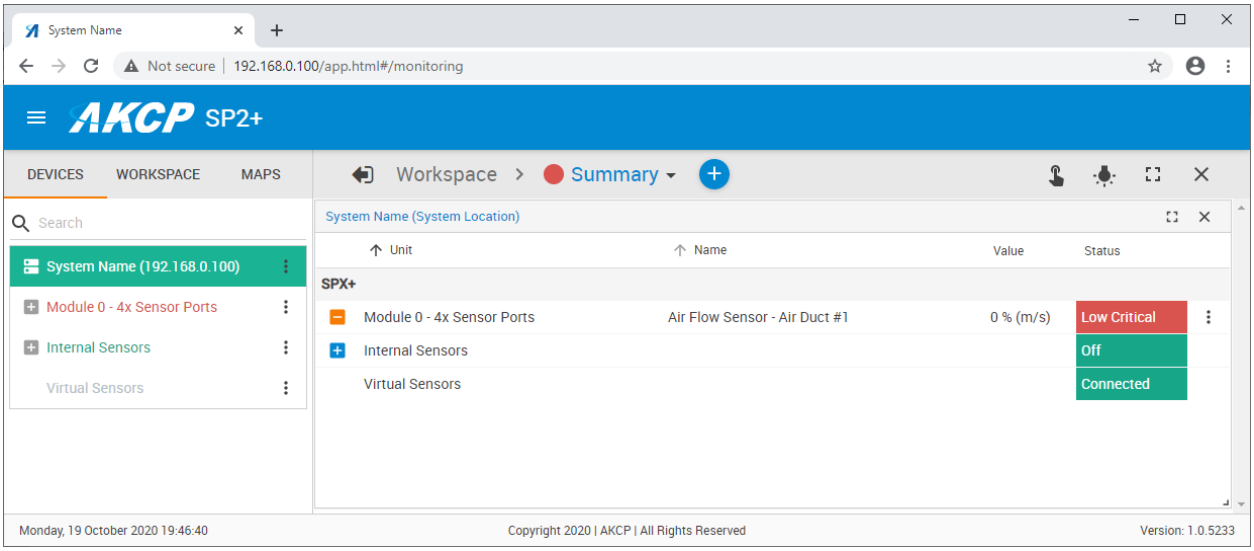


Change the Type of Scale to Percent of Full Scale. Leave the Jumper setting at 10.

Then set the Max Scale of Sensor in Volts to 5 and the Base Scale of the Sensor in Volts to 1.

Now finally set the Percentage Max Scale to 100 and the Percentage Base Scale to 0.

Lastly, click the Save button.



Now we can see in the Summary screen the sensor, the reading and the status of our Air Flow.

This concludes the Air Velocity Transmitter Quick Start Guide.

Please contact support@akcp.com if you have any further technical questions or problems setting up your sensor.

Thanks for Choosing AKCess Pro!