



**PRECISION**  
*Air Flow Measurement Products*



# **PRECISION**

## **PRODUCT GUIDE**

[www.njkprecision.com](http://www.njkprecision.com)



**NJK Precision** *has the airflow measuring station solution for you.*



## The NJK Difference

**NJK Precision is a division of KPH Holdings LLC, Powering industry through innovation.**

- ▶ NJK sensors utilize mass flow technology to provide accurate airflow measurements in challenging locations. By utilizing mass flow technology and optimal placement strategies this allows for the measuring of more accurate airflow readings than standard sensors are capable of.
- ▶ The provision of more accurate data is analyzed and enhances your building's operation by raising it's level of efficiency. As a supplier of airflow equipment we strive to provide users with the most environmentally sustainable and energy efficient technology.
- ▶ One of the major challenges with construction is that things change in the field. Everyone designs the duct system to have the proper length before and after a sensor but rarely does that happen. As job coordination on the site occurs the duct configuration adds sharp bends or is pushed against the wall it creates challenges to install airflow stations that can provide accurate data.
- ▶ NJK sensors are ideal for renovations and new construction work because as things change in the field our sensors adapt to the field conditions and provide more accurate data to improve your building performance.

**The NJK airflow measuring station provides:**

- Unique and robust method of measuring airflows
- Inspired by aviation and automotive technologies
- 21 patented claims (US 9,909,771 B2)
- Not subject to the same placement challenges

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## NJK Methods

*The NJK Precision Airflow Measuring Station Flow Frame, Flow Measuring Module, Multi Sensor Hub, and Signal Processing Unit all come with a 3-year factory parts replacement*

### FLOW & PRESSURE

#### ▶ **Why does building pressurization matter?**

Measuring airflow for buildings is critical for building pressurization, reduction of energy, and improved indoor air quality.

#### ▶ **What is Mass Flow Technology?**

Gas mass flow rate is the actual mass of a gas which moves through a measurement instrument per unit of time. Mass flow technology is used in the engine of your car because Mass Flow technology is more accurate and reliable every time.

#### ▶ **What is Velocity Flow Technology?**

Volumetric flow rate is the volume of fluid which passes per unit time

#### ▶ **What is the difference between Mass & Velocity Flow?**

Simply put mass flow rate is the WEIGHT of the sample, while the volumetric flow rate is the SIZE of the sample.

### Applications:

- Outdoor Air flow measurement
- Supply, Return, and Exhaust air flow measurement
- Floor level air flow measurement
- Laboratory air flow measurement
- Clean Room air flow measurement
- Precise control of outside air exchange rates
- Precise control of room air exchange rates

**“** *The extreme accuracy of the device also makes this airflow measuring station a great solution in applications where you need precise airflow information as in laboratories and clean rooms.* **”**



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## **About the Companies**

NJK Precision Air Flow Monitoring is based out of Eaton Rapids, Michigan where they manufacture and assemble their advanced sensor technology.

Top Product Innovations, Inc. is headquartered out of Charlotte, North Carolina, and is the master distributor of NJK Technologies.

### **Made in the USA**



**Top Product  
Innovations, Inc.**



**PRECISION**  
Air Flow Measurement Products

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