

WAFS-108 COMPACT FLOW SENSOR

**WISE AIR 4.0**<sup>®</sup>  
MEASURE TO MANAGE

**2025**



**Smart Measurement Solutions  
for Compressed Air and Gases**

**WISEAIR TECHNOLOGIES INDIA LLP**

[www.wiseair.in](http://www.wiseair.in)



## About Us

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Our Vision At WiseAir Technologies is to Offer Our Customers With Innovative and Advanced Measurement Solutions for Compressed Air and Gases at Affordable Costs. With Over 22 Years Experience in The Field of Compressed Air Management, We Have Developed Products that are More Accurate, Smart, Reliable, State-Of-The-Art and Easy to Use. We Aim to Transform The Traditional Manufacturing and Industrial Practices With Our Latest Smart Technologies. Hence We Primarily Focus On Offering Products Which Use Large-Scale Machine To Machine Communication (M2M) and Industrial Internet of Things (IIoT) To Provide Increased Automation, Improved Communication, Self Monitoring To Analyze and Diagnose Issues Without The Need For Human Intervention. Our “WA” Range of Smart IIOT Sensors, Can Be Easily Networked Together With Manufacturing And Energy Management Softwares. This Connectivity Allows For Seamless Data Collection, Exchange and Analysis To Potentially Facilitate Improvements In Productivity And Efficiency Resulting In Huge Economic Benefits.

## Our Network

Our Smart Sensors are Developed with Design and Technology Support from Our Partners Across North America, Europe and Asia. With Our Strong Network of Partners, we offer Seamless and Best-in-Class Service to Our Customers.



### Artificial Intelligence & Machine Learning Software

Our software are programmed to analysis and self Diagnose the Measured Datas

### Smart IIOT Sensors

For measurement of Flow, Power, Dew Point and Pressure

### Product Experts

Product Specialists with Decades of Experience in Compressed Air Measurement and Management

## INTRODUCING THE **WAFS-108** COMPACT FLOW SENSOR



### Introduction

Introducing the WAFS 108 Compact Thermal Mass Flow Sensor – your economical choice for precise measurement at consumption points. Effortlessly adaptable, the WAFS 108 excels in measuring a wide range of gases, including nitrogen, without needing extra compensations for air pressure or temperature. Experience high-resolution, rapid, and accurate readings tailored to streamline your end-use monitoring

### Key Features

- ▶ Thermal Mass Flow, Independent of Temperature and Pressure Change, Integrated temperature and Pressure Measurement.
- ▶ Ultra Wide 1:100 Turndown Ratio.
- ▶ Complete Stainless Steel Body Construction.
- ▶ Specially Designed Flow Conditioner for Accurate Measurement without Pressure Drop
- ▶ Standard RS485 Modbus RTU Interface
- ▶ In-Built Pressure Sensor
- ▶ No Moving Parts, Stable Signal, Vibrant Proof, High Reliability, Long Term Measurement Accuracy
- ▶ Full Digital Signal Processing instead of Traditional Analog Bridge Design, making the Flow Meter more accurate and capable of Wider Measuring Range.

### Technical Data Sheet

Measuring Range	
Flow Range	0.1 to 52 SCFM
Accuracy	±(1.5% reading + 0.3% full scale)
Available Sizes	DN 15, DN 20, DN 25, DN 40, Dn50
Reference Cond	20°C, 1bar(a) - ISO 1217
Communication Output	
Analog	On Request
Digital (Standard)	RS485, Modbus RTU Protocol
Connector	2 x 5 - Pin M12 (Female)
Power Supply	
Input	18...30V / 5W
Display	
Display	Analog
Operating Environment	
Operating Temperature	-30°C...+70°C
Medium Temperature	-40°C...+150°C
Operating Pressure	0...1.6 Mpa
Others	
Body Material	Stainless Steel
EMC	Accornding to IEC 61326-1

### Ordering Code

- ▶ **WAFS-108 E**  
Compact Flow Sensor Suitable for Compressed Air and for Installation with Pipe Size of 1/2 Inches (OD) with 1.5% Accuracy.
- ▶ **WAFS-108 G**  
Compact Flow Sensor Suitable for Carbon-Di-Oxide and for Installation with Pipe Size of 1 Inches (OD).

### Applications

- ▶ Thermal Mass Flow meters are Widely used in Industrial Processes, Chemical, Petrochemical, Power Engineering, etc.
- ▶ Suitable for Compressed Air Consumption Measurement.
- ▶ Determination of Gas Leakage / Leakage Rate.
- ▶ Suitable for Gas Consumption Measurement of a Single Machine / Points of use
- ▶ Suitable for Process Gas Measurement, such as Nitrogen, Carbon Dioxide, Oxygen, etc
- ▶ Suitable for Nitrogen Generators



For More Info  
**SCAN HERE**



**UNDERSTAND COMPRESSED AIR SYSTEM DYNAMIC  
WITH OUR ADVANCED MEASUREMENT SOLUTIONS**

**MEASURE – MANAGE – SAVE – SUSTAIN**



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