

Aviation
Cool cabins
Chilled crew
Safety first
Second nature!

The Definitive Mass Flow Sensor

Power of Pedigree

Auxitrol Weston' has an ever expanding portfolio which already boasts world leading Sensor solutions, with **over one hundred years of accumulated design and manufacturing experience**. No small accomplishment!

So, you'll find it hardly surprising to hear that while **Mass Flow** is our "youngest" product range, it has a maturity drawn from our **pre-eminence** in Sensors Technology development, a factor which has seen it included within the major Civilian Aircraft Programmes of the past ten years – and is flying today!

Reliability is in our DNA

Whether it's cockpit or cabin comfort, air bleed detection or inerting systems management, avionic ventilation or oil monitoring, the world's leading Airframe and Aero Engine manufacturers are turning to Auxitrol Weston for our **definitive Mass Flow solutions**.

It's quite a responsibility, knowing the accuracy of our sensors is so heavily relied upon. But, it's what drives **our progressiveness and product development**. And, it comes as second nature to our Engineering experts, who tenaciously pursue perfection.

Our Mass Flow products are based on **"HotWire" thermal exchange technology** and have applications anywhere there is a requirement to monitor or control the movement of air or gas flow, where accuracy is the determining factor in quality decision-making and action. This is product you can rely upon. **You can trust**.

Flow control, where it matters

Monitoring the flow of fresh and recycled air through an aircraft ensures a pleasant

and comfortable atmosphere for crew and passengers but it's **in safety critical areas** that our **Mass Flow sensors really excel**.

In the Avionics bay, our sensors are used within the ventilation system to keep the myriad of sophisticated electronic equipment cool and working optimally, by managing both the clean air intake and hot air extraction.

And, as a **key component** within Fuel Inerting Systems, the risks associated with fuel tank vapour flammability are removed or massively reduced thanks to our Mass Flow sensor which is **trusted** to meticulously monitor the constant delivery of nitrogen to aircraft fuel tanks.

Our design is such that it can be used on a **wide range** of duct diameters and shapes.

General Features

- Ideally suited for all Air, Nitrogen and gas flow measurements
- Available as Single-wire transient and Two-wire thermal processing
- Measurement range from 0 to 55kg/m²s
- Nominal temperature range from -40°C to +85°C, extreme temperature range -55°C to +120°C
- Accuracy to +/-5%FS with the possibility to customize for specific customer needs
- 28Vdc standard network supply
- Low flow / no flow measurement capability
- Provides flow temperature measurement
- Long term stability
- Certified for use on composite aircraft

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