

# « JUST THE FACTS »

## NEW Mass Air Flow (MAF) Sensors

The Mass Air Flow (MAF) sensor measures the amount of airflow entering the intake manifold and must communicate clearly with the Engine Control Module (ECM). To ensure accurate airflow, precise performance, and longer service life, Standard® and Intermotor® offer a line of **100% NEW, never remanufactured, MAF Sensors**. All SMP-manufactured MAF Sensors are engineered and built in our vertically integrated TS16949-certified facility in Orlando, FL.

**NEW**  
**NOT**  
**REMAN**

Our Choked Air Flow Calibration and Test System ensures precise mass airflow output to match the OE so you can install Standard® and Intermotor® **NEW** MAF Sensors with confidence. As a result, our Sensors match the OE output precisely, and perform flawlessly under all operating conditions, every time.

**150+**  
**SKUs**

Standard® and Intermotor® offer more than 150 **NEW**, never remanufactured, MAF sensors. In total, both lines provide greater than 90% coverage for all domestic and import MAF-equipped vehicles. That's industry-leading coverage.

### Features and Benefits: SMP-Manufactured **NEW** MAF Sensors

Platinum RTD sensor welded to Monel leads for superior corrosion resistance and unsurpassed joint strength

Every sensor matches OE output and performs to specific application conditions

Thicker wall for extra durability

100% computerized testing for all sensors using advanced Choked Airflow Calibration and Test System

Upgraded components improve circuit reliability and performance

Electro Static Discharge (ESD) protection

Components capable of operating under extreme conditions ranging from -40°F to 257°F

**TESTING UPDATES ON REVERSE SIDE**

Ford  
MAS0128



GM  
MAS0193



Hyundai  
MAS0163



Toyota  
MAS0188



Honda  
MAS0244



Nissan  
MAS0145



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## Why MAF Sensor Testing and Calibration Matters

One of the most important factors for MAF sensor performance is precise testing and calibration. This is what sets Standard apart from the rest. With onsite engineering, design, and test labs at our ISO/TS16949- and ISO14001-certified manufacturing facility in Orlando, FL, Standard is able to produce 100% new MAF sensors that precisely match the OE output and perform flawlessly under all operating conditions. Here are just a few of our testing and calibration techniques:



**Choked Airflow Testing and Calibration**  
accurately measures and calibrates our new MAF sensors



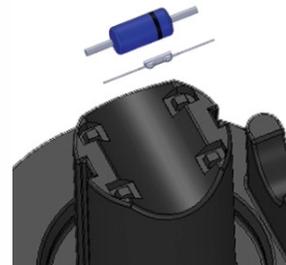
**Salt and Chemical Contamination Testing**  
ensures MAF sensors withstand harsh environmental conditions



**On-Vehicle Road and Vibration Testing**  
ensures performance and durability in real-world conditions

## The Importance of the RTD Sensor

In addition to testing and calibration, another important factor for MAF sensor performance is the use of high-quality RTD sensors. All SMP-manufactured MAF sensors feature custom-designed, platinum flow RTD sensors that precisely match OE outputs, and temperature RTD sensors that match OE specifications more closely than the diodes used by some competitors. Plus, the pull strength of our RTD lead joints not only matches the OE, but exceeds the aftermarket competition. Our RTD components also don't break under extreme vibration.



CAD image of our custom-designed platinum RTD sensors

**Standard®**  
Custom-designed platinum RTD sensors outperforms the aftermarket competition in vehicle road, air flow, and high-temp degradation testing, which results in proper drivability.



**Competitor**  
Low-quality RTD sensors failed our vehicle road, air flow, and high-temp degradation tests, resulting in noticeable drivability issues.