



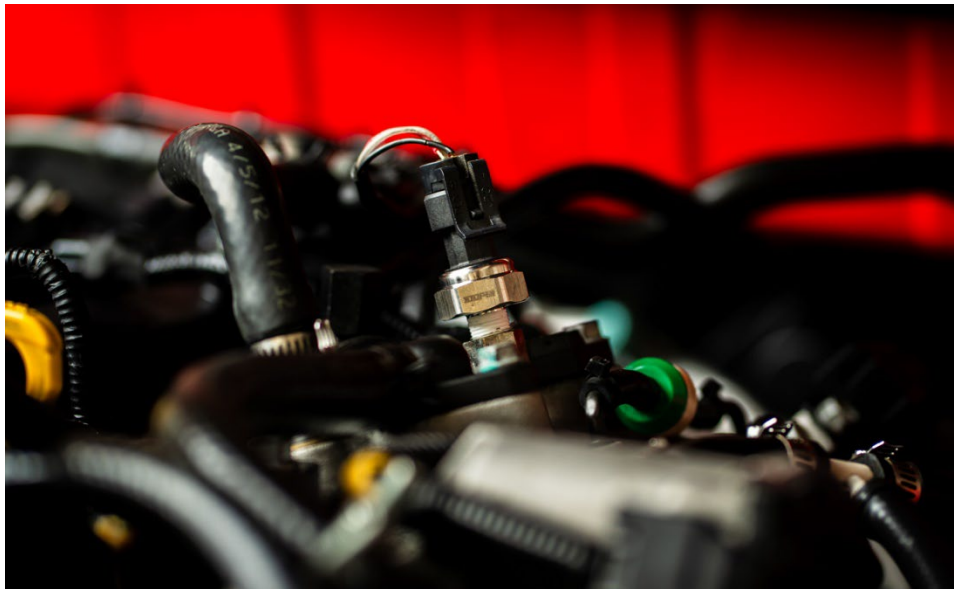
## Tech Tips: Trensor

Combining precision, durability, and versatility into one exceptional package, Trensor's 3FP sensors are a groundbreaking advancement in automotive sensor technology. These sensors, which are designed for today's demanding applications, stand out from the competition and highlight Trensor's dedication to quality and innovation.

### Performance Advantages

Among key advantages of the 3FP sensors is their compatibility with most aftermarket ECU systems and gauge clusters. This allows for easy integration into a wide range of vehicles and setups, providing flexibility and ease of use for both performance enthusiasts and professional mechanics looking to upgrade their monitoring systems or install new ECUs.

Manufactured on fully automated OE production lines, the 3FP sensors undergo rigorous quality control testing and validation to ensure reliability and accuracy. Trensor's advanced manufacturing techniques and strict production standards guarantee consistent quality and high performance.



### Standout Features

An innovative feature of the 3FP sensors is the atmospheric reference vent, which adjusts for elevation changes and allows any built-up pressure from installation to exit the sensor cavity. This design prevents skewed readings and makes sure the sensor provides accurate measurements under varying atmospheric conditions.

Another notable feature of the 3FP sensors is their water- and dust-proof internal membrane. This protective layer keeps the sensors functioning and reliable in harsh conditions, including exposure to moisture and/or particulates.



## Cutting-Edge Design & Technology

Tensor's commitment to cutting-edge technology is clear in the design and construction of its 3FP sensors. Each unit is manufactured with Tensor's industry-leading technology, which incorporates advanced materials and engineering to ensure the highest degrees of accuracy and durability.

Unlike traditional sensors that may have wire bonding or moving pieces, the solid-state construction of the 3FP sensors eliminates potential failure points and enhances vibration resistance. In fact, they're rated to withstand more than 40 G's of axial vibration force, making them ideal for direct mounting on engine components, transmissions, and other high-vibration areas.

Installation of the 3FP sensors is designed for convenience, too, since the sensor's connector is smaller than the hex of the sensor itself. This allows a socket to fit over it more easily, making the process quicker and simpler to manage.

## Continuous Supply Chain

Unaffected by the ongoing semiconductor shortage, Tensor's ability to manufacture its own application-specific integrated circuit (ASIC) chips ensures a steady supply of 3FP sensors. This end-to-end integration allows Tensor to fulfill orders quickly and maintain a 100% fill rate.

Overall, Tensor's 3FP sensors offer high precision, toughness, reliability, and innovative design. Their compatibility with aftermarket systems, advanced manufacturing, and unique features make them the ideal solution for various automotive and high-performance applications. For more information, contact the specialists at [Tensor](https://www.tensor.com) today.

