

NEW PRODUCT RELEASE



NKS to supply new sensors to the new fuel-cell vehicle “MIRAI”

Nagano Keiki’s new pressure sensors have been adopted in the new FCVs (MIRAI) released by Toyota Motor Corporation in December 2020.

We used to supply pressure sensors to the first-generation MIRAI released in 2014 as well.

The sensors monitor hydrogen pressure - not only the fuel pressure accumulated under ultra-high pressure but also pressure supplied to stacks (power generators). Monitoring pressure in stacks is very critical to the performance of FCV. In particular, hydrogen measurement at ultra-high pressure requires a long life, high precision, and high stability in extremely harsh environmental specifications, but these sensors have completely fulfilled all these requirements.

Furthermore, in order to respond to the growing demand of FCV in the future, we have improved our product structure, manufacturing processes and our production capacity.

We also supply hydrogen-dedicated pressure measuring instruments to hydrogen stations, which are essential infrastructure for the widespread use of FCV. Specializing in pressure measurement, we continue to contribute toward decarbonized society with our hydrogen-related products based on our innovative technology and track record over many years.



Toyota’s new fuel-cell vehicle “MIRAI”



Pressure Sensors for High-Pressure Hydrogen/Fuel Cell Stacks