

# Automobile Oxygen Sensors

## NA-5000 Spec Sheet



Wiring per customers' specification

### Oxygen Sensor Specifications ( propane burning, 13 V heater bias )

| Items                                  | Test Temperature |        |
|--|------------------|--------|
|  | 350 °C           | 800 °C |
| $\lambda=0.97$ Output Voltage (mV)     | 800±50           | 700±50 |
| $\lambda=1.10$ Output Voltage (mV)     | 80±30            | 90±30  |
| Internal Resistance ( $\kappa\Omega$ ) | ≤0.5             | ≤0.25  |
| Response Time (ms)<br>300 mV → 600 mV  | <100             | <100   |
| Response Time (ms)<br>600 mV → 300 mV  | <100             | <100   |
| Light-off Time (s)                     | ≤15              |        |

### Advanced Manufacturing

Fine selection of raw materials, processed via casting, HTCC and high temperature treatment, packaging and testing

### Completed Quality Management System

Our system enables robust design of each process step and manufacturing, ensuring every sensor with the low variability and high performance to compete with the best on the market

### Internal Research and Development

Strong internal technical skills enable original research and development, production and testing, thus guaranteed product quality