

# **02 SENSOR DESIGNS**

#### THIMBLE SENSOR

1, 2, 3 and 4 wire harness sensor, including heating model and non-heating model

#### **PLANAR SENSOR**

3 and 4 wire harness sensor, heating model

#### A/F SENSOR

4 wire harness sensor, including thimble and planar sensor

#### **NTK WIDE BAND OXYGEN SENSOR**

5 wire harness sensor

#### **BOSCH WIDE BAND OXYGEN SENSOR**

5 wire harness sensor, including LSU4.2 and LSU4.9

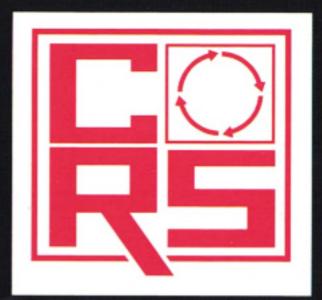
#### **MINI-SENSOR**

1, 2, 3 and 4 wire harness sensor, including heating model and non-heating model, used for motorcycles, including thimble and planar sensor



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Our CAD engineers create proprietary designs that include the latest quality components in oxygen sensors using the finest software availabe. With this expertise, CRS will remain at the forefront of automotive technology.



#### **PROFESSIONAL MANUFACTURER OF**

# AUTOMOBILE OXYGEN SENSORS

## THIMBLE SENSOR Basic Design



#### temperature ≤ 1030°C **PROTECTION TUBE**

temperature ≤ 280°C STAINLESS STEEL SHELL

#### THIMBLE CERAMIC SENSOR

Ceramic tube material is sourced from Saint-Gobain, the supplier to Bosch

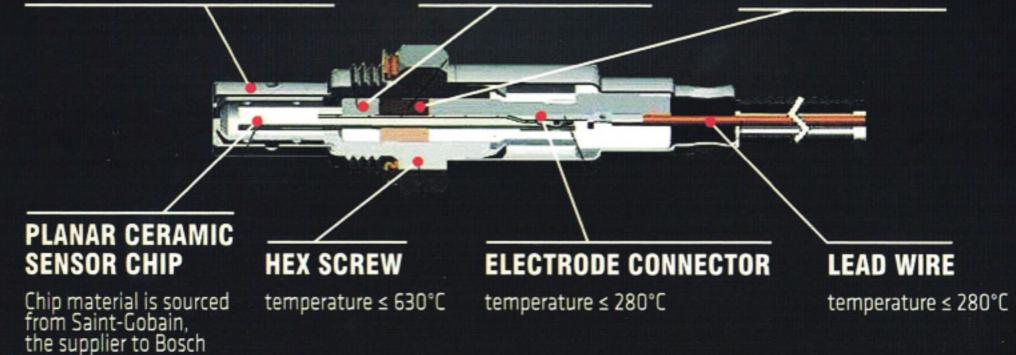
### HEATER

(fit for 3 or 4 wires sensor) Manufactured in Japan LEAD WIRE temperature ≤ 280°C

### PLANAR SENSOR Basic Design



temperature ≤ 1030°C DOUBLE PROTECTION TUBE temperature ≤ 930°C CERAMIC SUPPORT Leakage ≤ 0.2ml/min SEALING CERAMIC



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