

**CMOS type sensor 5C-SSM**

**【Measurement data】 Smells burnt**

## Purpose:

Verification of the feasibility of detecting pre-ignition anomalies using smell Sensor.

## Measurement subjects:

Printed Circuit Board, PVC coated cable, Wood chips

## Measurement Conditions

Sensor:

5C-SSM (FS0101, FS0200, FS0300)

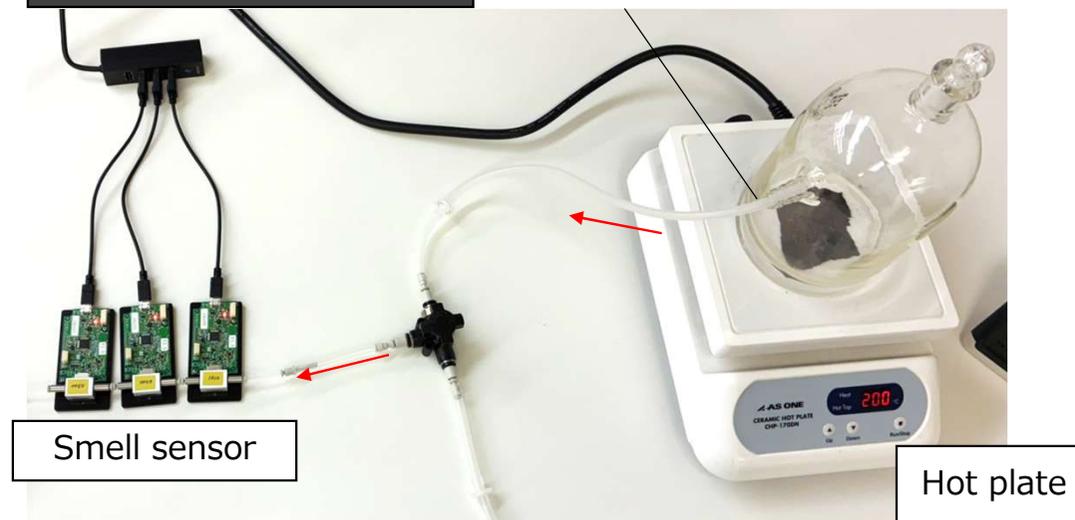
Samples:

Printed Circuit Board, PVC coated cable, Wood chips

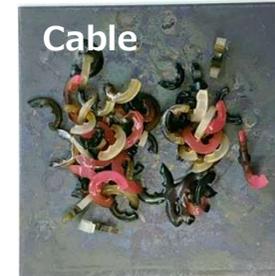
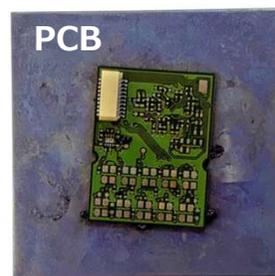
Heating Temperature:

300°C (Hot plate)

## Measurement Environment



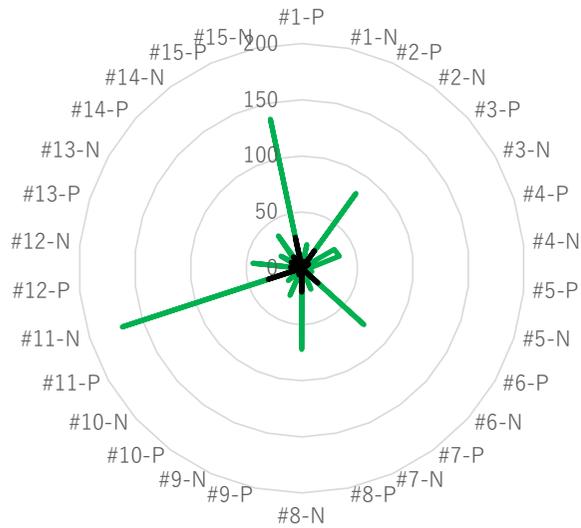
## Sample : Heating in a closed space



# Analysis Example : Radar chart (Potential difference)

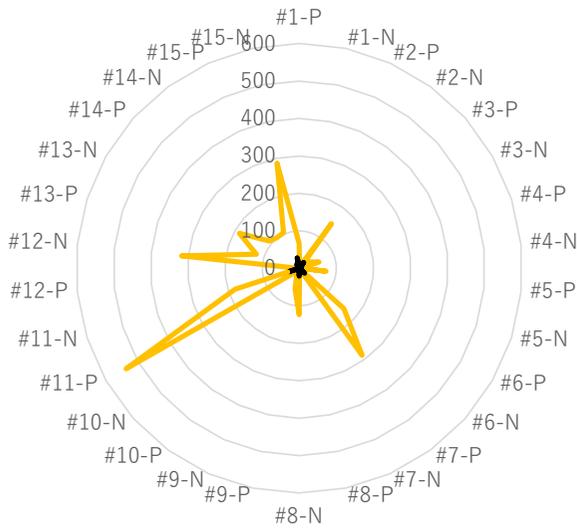
@300°C

PVC



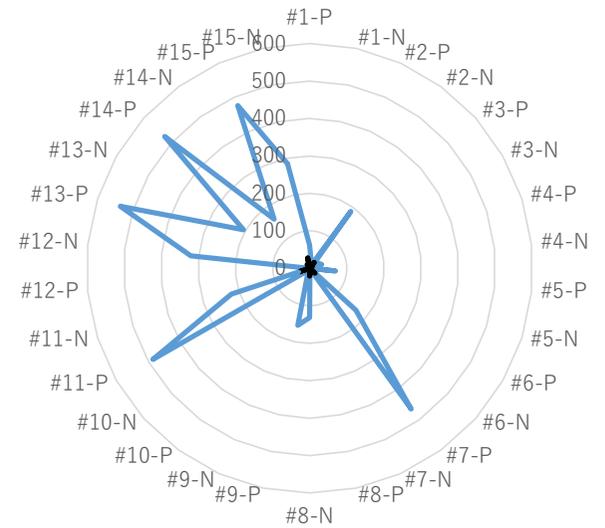
— PVC — blank

Cable



— Cable — blank

Wood chips



— Wood chips — blank

**Different response patterns for each sample**  
→ **Suggests different burnt odor components**