

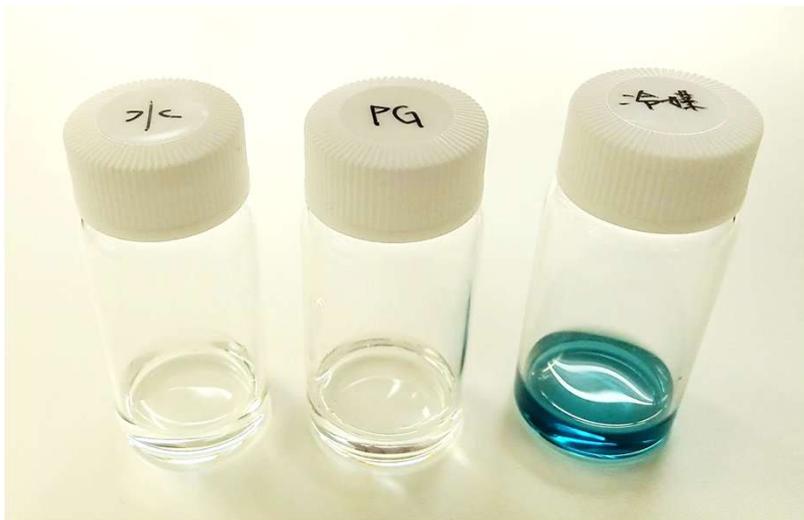
CMOS type sensor 5C-SSM

【Measurement data】 Refrigerant

Purpose: Confirmation of refrigerant component detection capability

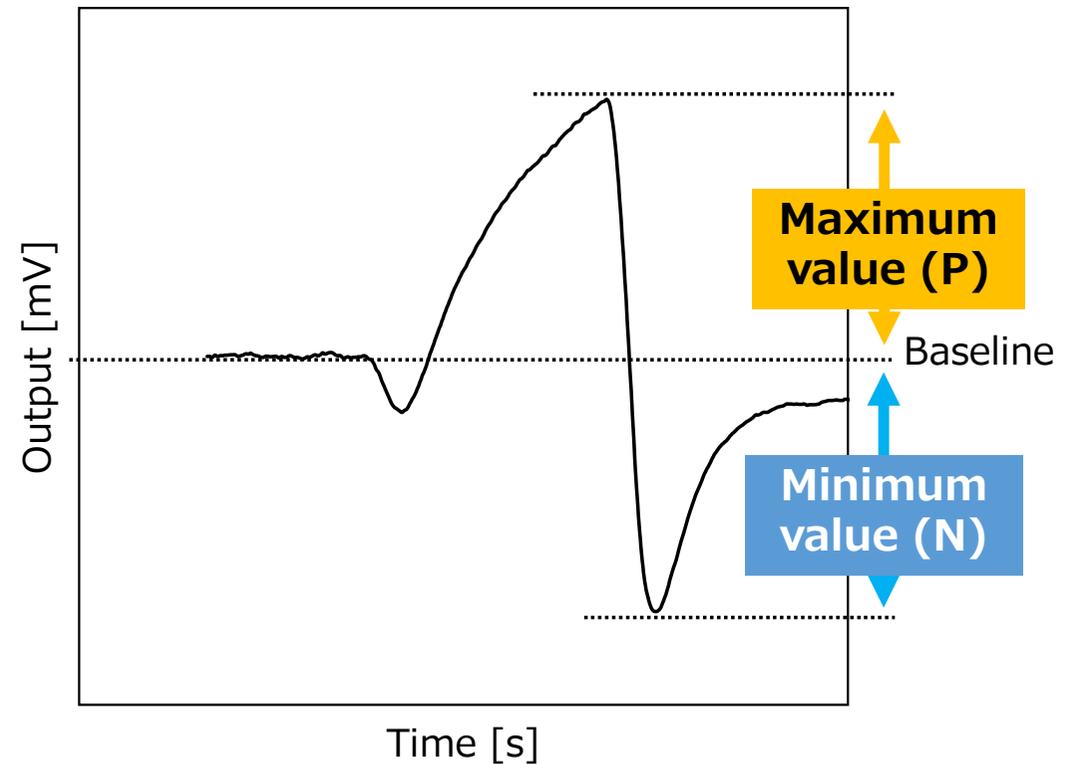
Membrane set: FS0101, FS0200, FS030

Samples: Purified water, Propylene glycol (PG), Refrigerant



Feature Calculation Methods

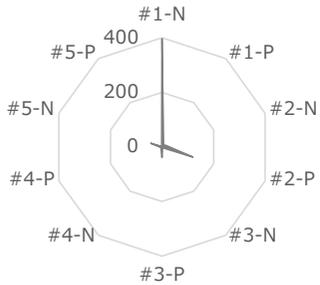
Maximum/minimum change from baseline



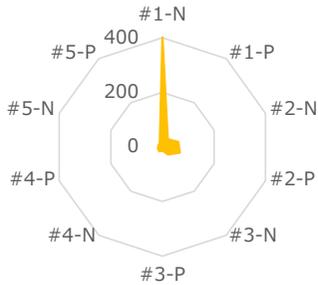
Analysis Example : Radar chart (Potential difference)

FS0101

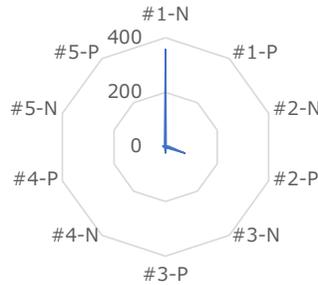
Purified water



PG

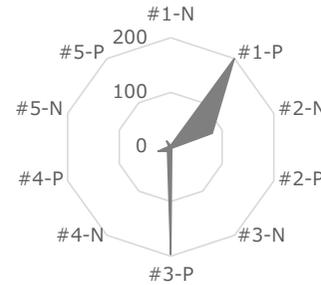


Refrigerant

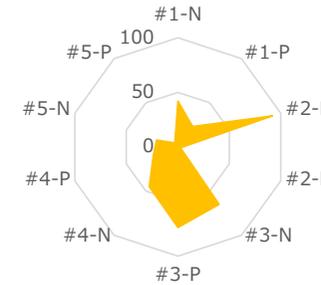


FS0200

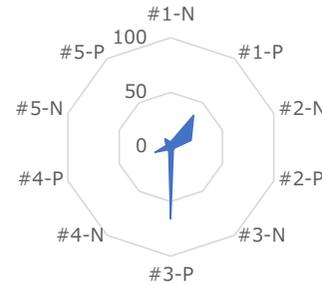
Purified water



PG

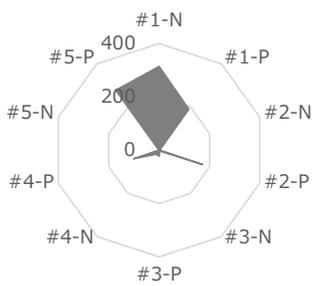


Refrigerant

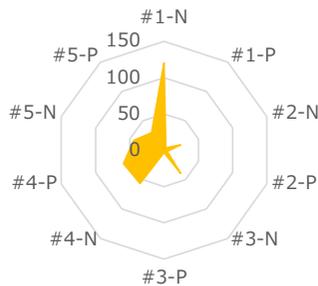


FS0300

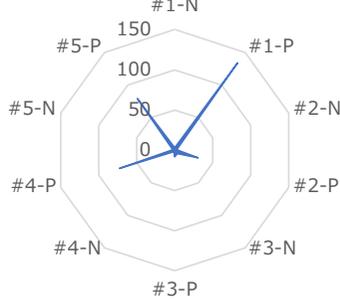
Purified water



PG

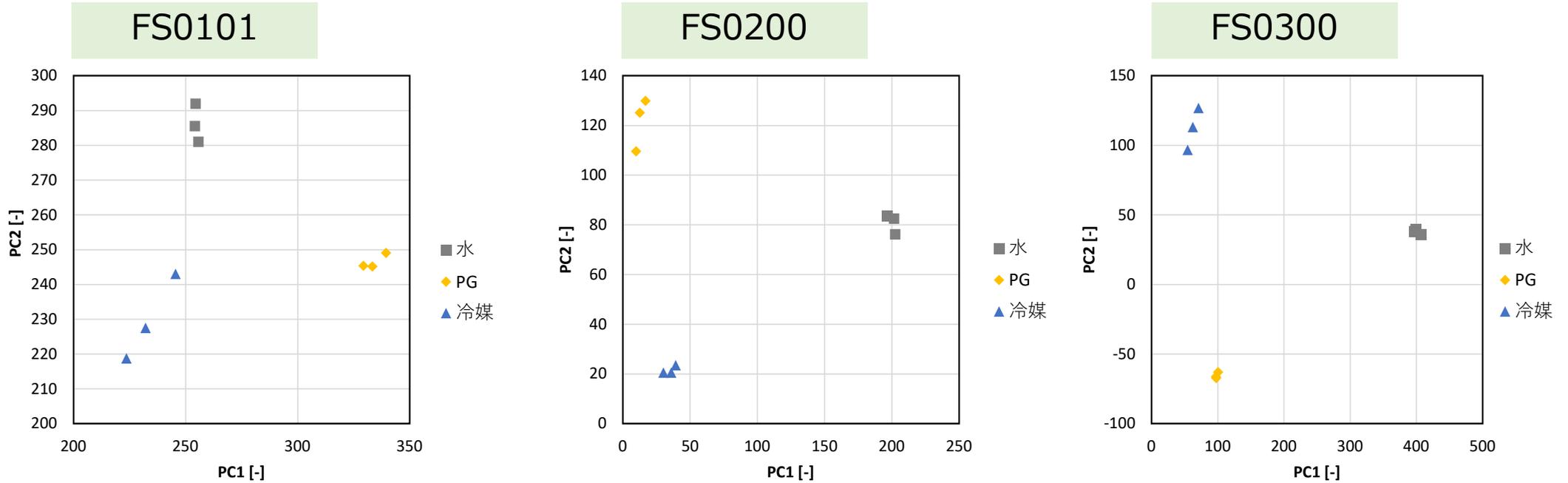


Refrigerant



**Detection sensitivity:
FS0101 is the most effective**

**Response pattern:
FS0200 and FS0300 are good**



Cluster separation: Good on FS0200 and FS0300

Analysis Example : Principal Component Analysis (15 membranes)

All 15 membranes
(FS0100, FS0200, FS0300)

