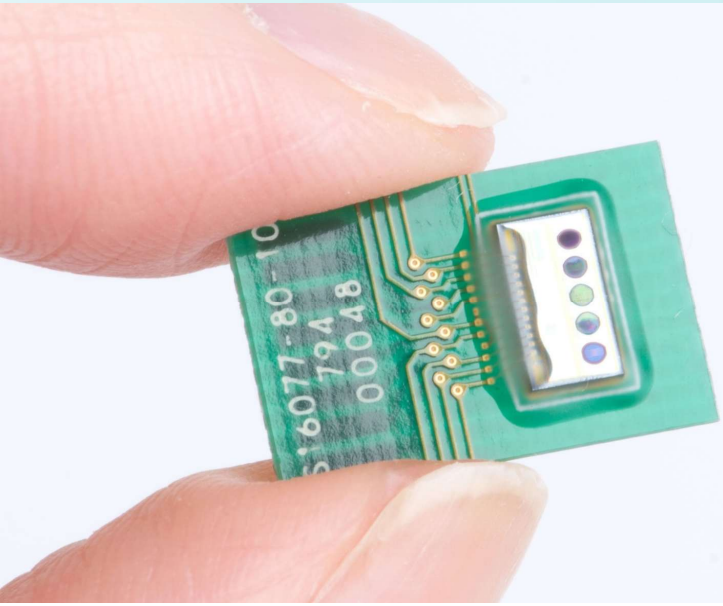

CMOS type sensor 5C-SSM

【Measurement data】 Body odor

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Measurement Overview

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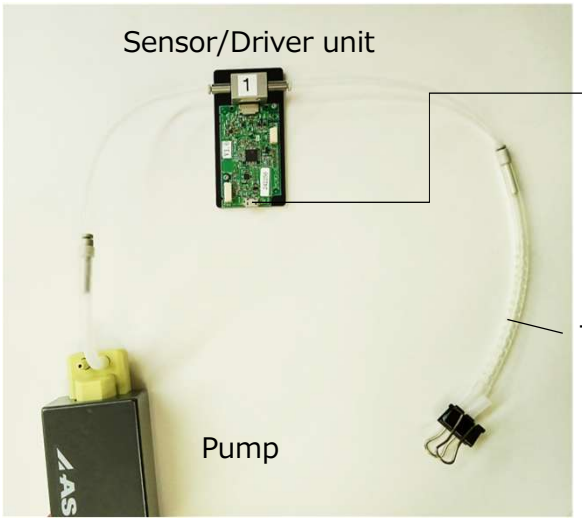
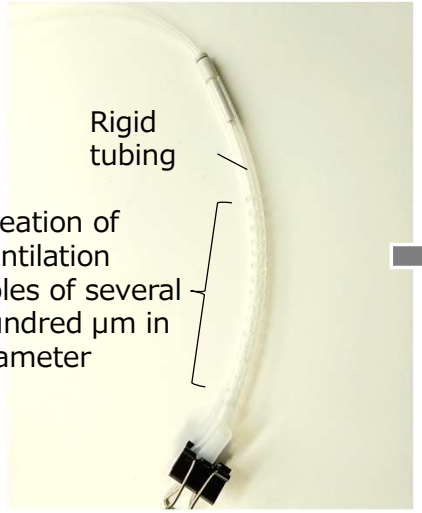
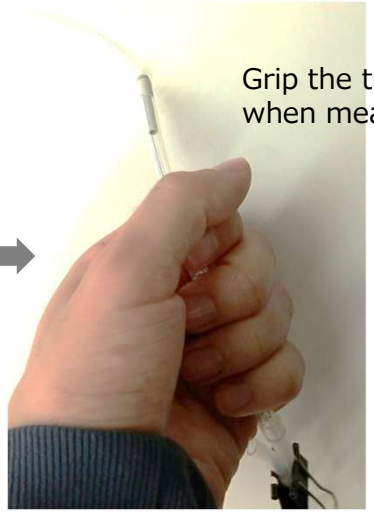
Measurement sample :
Individual identification by palm smell.

Sampler :
Palm （6 men and women)

Measurement condition :
Sensor : 5C-SSM
(FS0101, FS0200, FS0300)
Baseline : Indoor air
Air supply : 10 sec
Ventilation : 2 min
Flow rate : ～0.5 L/min
Temperature&humidity :
Room temperature (～22 ℃) , ～40%RH
Features in the analysis :
Maximum differential value of frequency for each element







Analysis method

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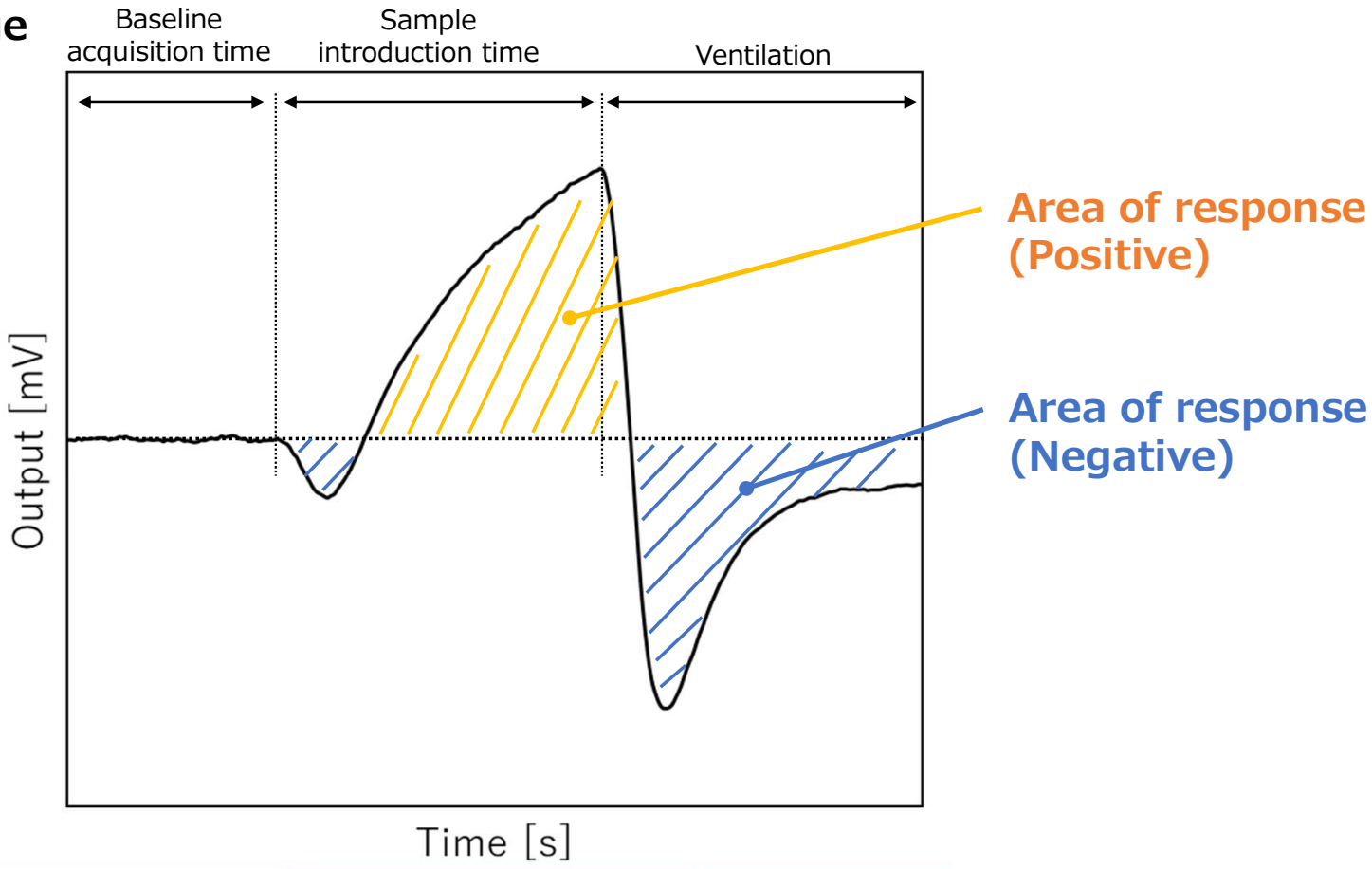
Feature for analysis: Area of response

Summation of positive and negative sensor output change from baseline.

Analysis image



Example of response for 15 membranes

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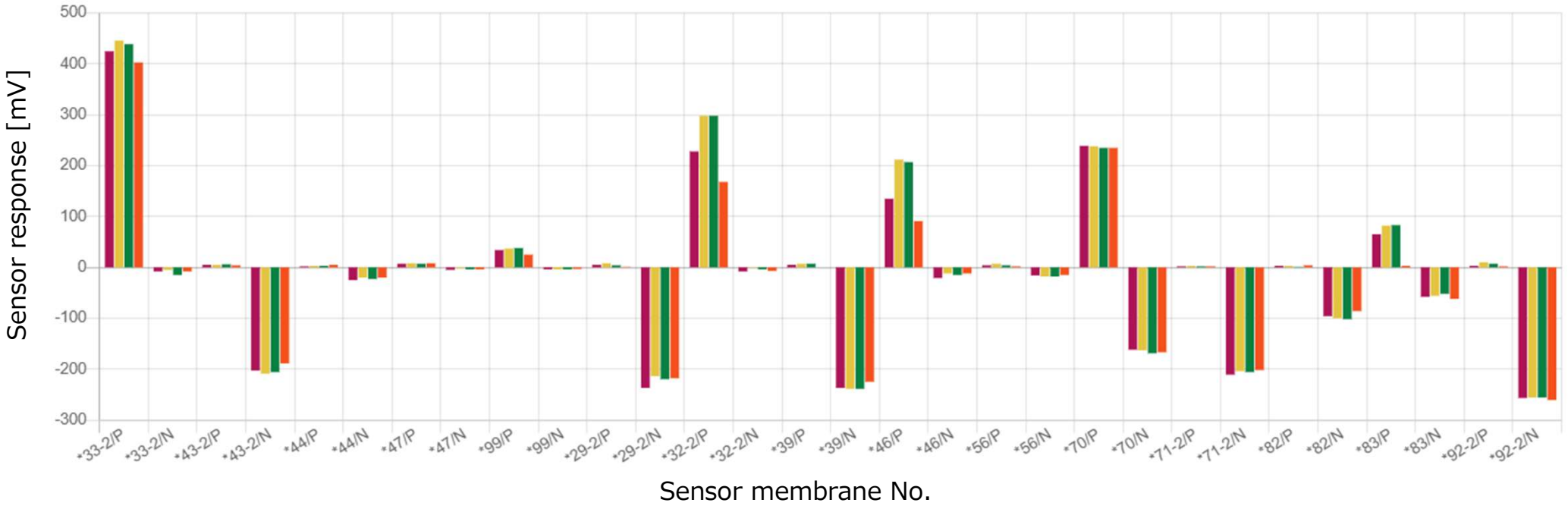
Sample : Male, 30s（N=4）



Principal Component Analysis

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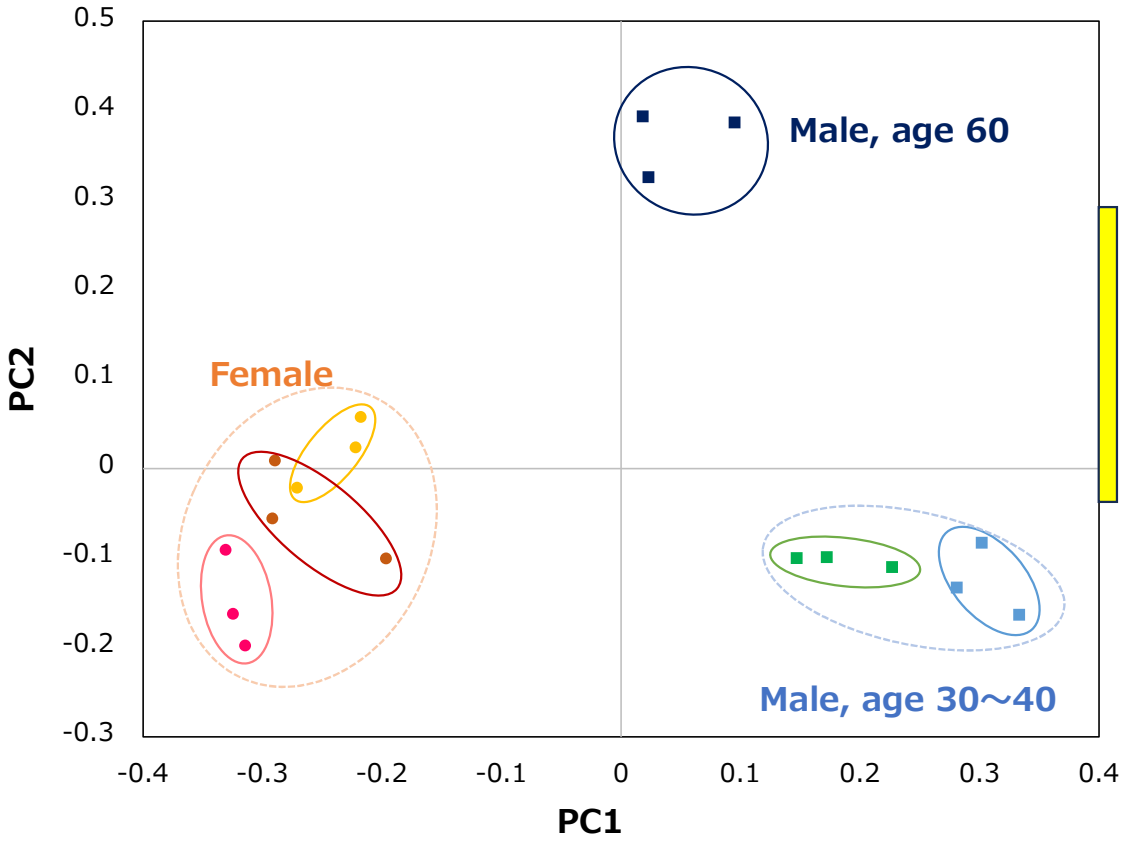
Sample : 6 men and women （N=3）

Analysis : Principal Component Analysis (Normalization)



Gender, age, etc. may be identified by body odor.