Smell Database Development and Analysis Application
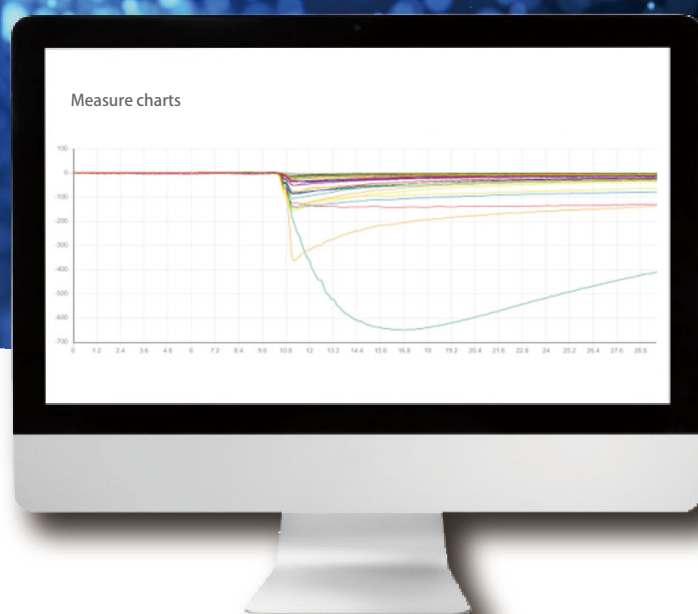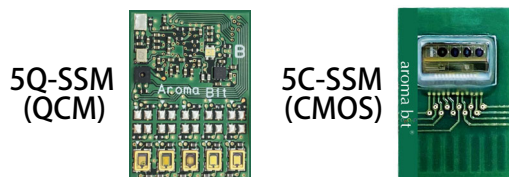
Aromalyzer®

Measure charts

What is Aromalyzer® ?

Digital Smell Database Development and Analysis Application
Smell Similarity Analysis / Principal Component Analysis
Smell Data Visualization

5Q-SSM
(QCM)

5C-SSM
(CMOS)

Aroma Coder®V2

Aromalyzer® is a web browser-based application for smell database development, with built-in analysis functions.

This application allows data analysis from data acquired from Aroma Bit smell sensors for sensor and sensor data evaluation.

Database development function enables acquired smell database for upload locally or on cloud for your own database development.

[Contact us]

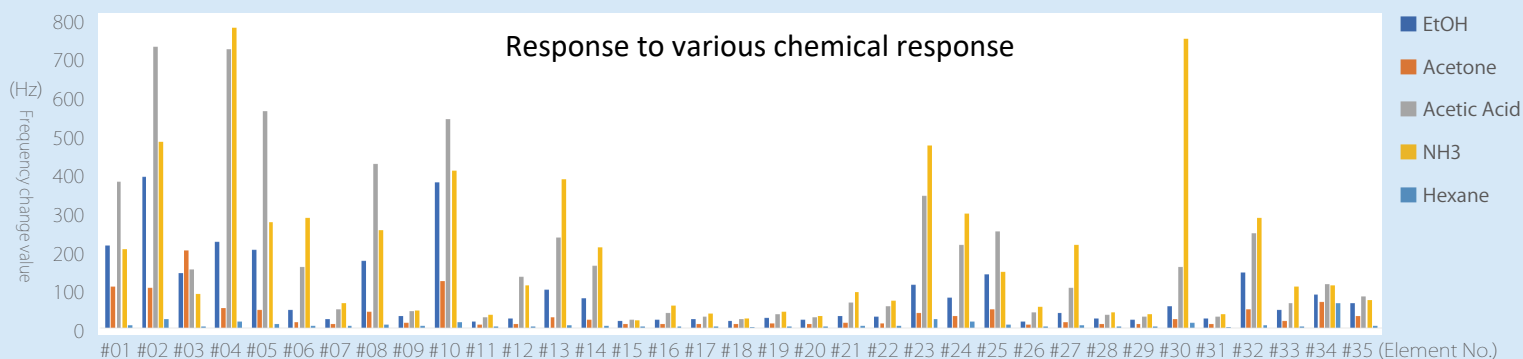# "Aromalyzer®" is a software-as-a-service application fo smell database development and data analysis.

Aromalyzer® is equipped with database development and data analysis functions, useful for sensor and smell data sample evaluation by simply uploading the acquired data to Aromalyzer®.

Main analysis functions
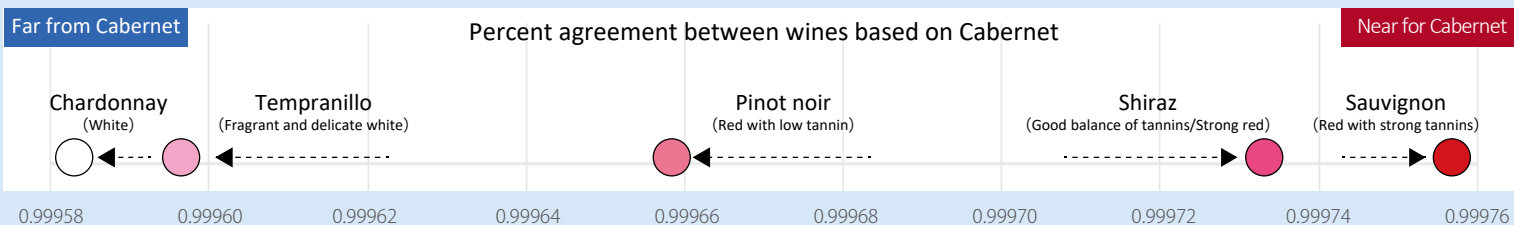
*All graphs are for illustrative purposes only.

Sensor Data Visualization

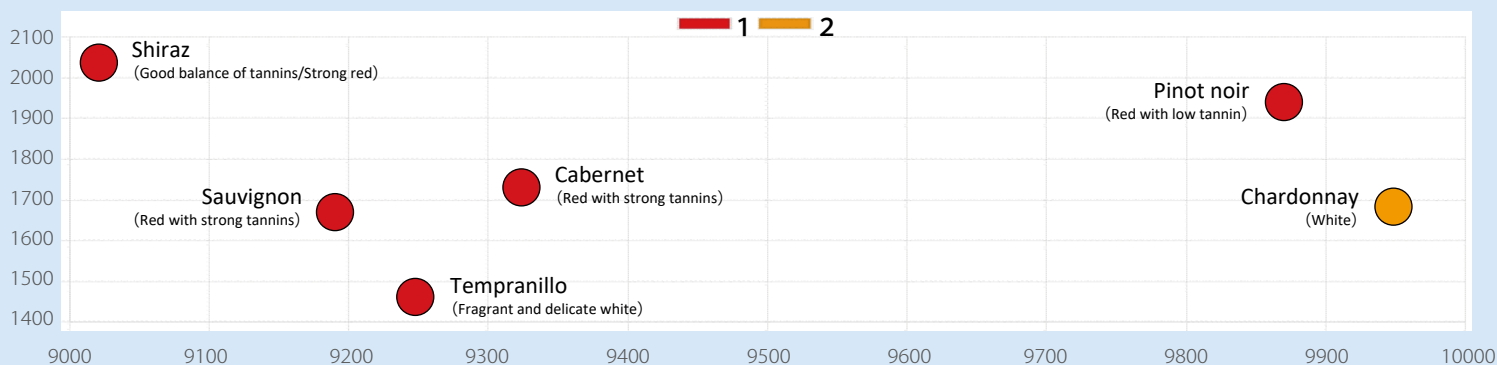Waveform data or Bar graph is generated from sensor raw data.

Response to various chemical response

Legend: EtOH, Acetone, Acetic Acid, NH3, Hexane

Y-axis: Frequency change value (Hz) — 0, 100, 200, 300, 400, 500, 600, 700, 800

X-axis: #01 #02 #03 #04 #05 #06 #07 #08 #09 #10 #11 #12 #13 #14 #15 #16 #17 #18 #19 #20 #21 #22 #23 #24 #25 #26 #27 #28 #29 #30 #31 #32 #33 #34 #35 (Element No.)

Smell Matching System

Score the degree of similarity among smellsample data.

Far from Cabernet — Near for Cabernet

Percent agreement between wines based on Cabernet

Chardonnay (White)
Tempranillo (Fragrant and delicate white)
Pinot noir (Red with low tannin)
Shiraz (Good balance of tannins/Strong red)
Sauvignon (Red with strong tannins)

Scale: 0.99958 0.99960 0.99962 0.99964 0.99966 0.99968 0.99970 0.99972 0.99974 0.99976

Principal Component Analysis

Principal component analysis and results are displayed.

Legend: 1, 2

Y-axis: 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100
X-axis: 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000

- Shiraz (Good balance of tannins/Strong red)
- Pinot noir (Red with low tannin)
- Sauvignon (Red with strong tannins)
- Cabernet (Red with strong tannins)
- Chardonnay (White)
- Tempranillo (Fragrant and delicate white)

■ How to use Aromalyzer®

This browser-run application and program is a database development and data analysis application. The minimum term of use one year and renewable annually. Please refer to the following terms of use for details of the application.

[Terms of Service] https://www.aromabit.com/policy/

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