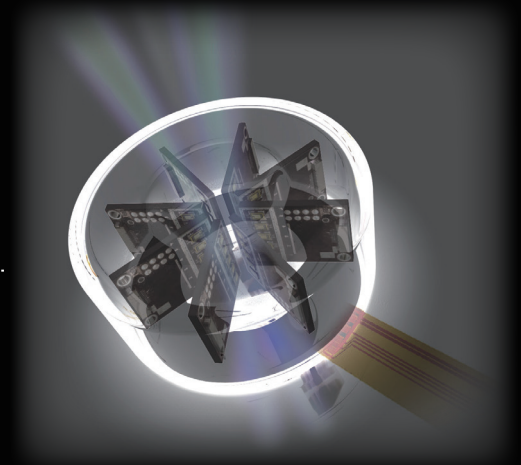


# AROMA CODER

35Q

- World's most advanced desktop odor measurement instrument
- Equipped with 35 odor "receptor" membranes
- Ultra-sensitive QCM elements for high odor discrimination



*35 element multi-array QCM  
odor sensor module unit*

## What is Aroma Coder?

Aroma Coder is a **desktop odor measurement instrument** equipped with Aroma Bit's most advanced odor imaging sensors. This lightweight device is extremely easy to use and allows you to measure, visualize and analyze subjective odors for virtually any product or sample.

\* QCM = Quartz Crystal Microbalance

35Q model series

aroma bit<sup>®</sup>

- Quick Facts**
- High speed measurement with results in minutes
  - Easy setup and no need for training
  - Reliable & repeatable accurate measurements

**How it Works** Aroma Coder is equipped with Aroma Bit's proprietary 35 odor adsorption films, each with different chemical affinity properties, resembling olfactory receptors. These films are placed on the QCM sensor elements. Adsorption/desorption of chemicals in odor samples are detected as a mass change at the sensor surface and expressed as a change in resonance frequency. This frequency change is measured, resulting in a pattern consisting of 35 different sensor output data. Theoretically, over 5 quadrillion patterns can be generated.

**Fast Results** The time to perform a measurement is reduced to 1/20 of previous products, allowing to measure and visualize scent data in a few minutes.

**High Sensitivity** 7 sets of odor imaging sensor chips, each with 5 elements are mounted. By combining 35 elements of multi-array QCM, it makes it possible to measure complex odors at a high resolution.



*Ultra-compact  
5 element QCM  
odor imaging  
sensor chip*

**Reliable Performance** Odor samples are placed within the enclosed device, preventing interference from air particles outside and allowing accurate measurements to be performed continuously.

**Specifications**

**Product specs**

Dimensions:  
H 300mm W 154mm D 300mm

Weight: 3.6 Kg

Output: USB 2.0

OS: Windows

Power supply: AC100-250V

Measurement time:  
Approximately 30 seconds

**Sensor chip specs**

Number of sensor elements: 35

Size: H 24mm W 20mm T 0.8mm

QCM Resonance Frequency: 30 MHz

**Sample compatibility & measurement conditions**

Sample type : Liquid, solid or gas

Temperature: 23~50°C Humidity (RH): 12~65%

Cartridge dimensions: Inner diameter 14.5mm (0.57in)  
Outer diameter 27mm (1.06in) Length 55mm (2.17in)

## Contact Us

Please visit [www.aromabit.com](http://www.aromabit.com) for more information. Get in touch with our teams at [info@aromabit.com](mailto:info@aromabit.com). We will be glad to assist and consult you regarding our products.

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