



Product demonstration



Application example from food industry

5 Sniff & Trap using adsorbent tubes

This function enables isolation and concentration of odor active compounds of interest within a defined retention time window without the need for complex column switching systems. Thermal desorption of the trapped compounds can subsequently be performed in the TDU 2 for further analysis. Sniff & Trap allows uncomplicated handling of two types of analytical procedures:

A Collection of separated volatile compounds over a defined retention time window and re-analysis of the trapped compounds on a GC column with orthogonal polarity (offline heartcutting) for separation of co-eluting compounds.

B Concentration of compounds not found in the chromatogram, but detected in the ODP, over multiple GC runs. The compounds are subsequently determined in a separate GC run.

6 Humidification

To prevent mucus membrane irritation, the adjustable make-up gas can be humidified.

7 Voice recognition

Spoken sensory descriptors are recorded and documented using state-of-the-art voice recognition. Noise cancelling features help eliminate disruptive background noise in the laboratory. The analyst can fully concentrate on the olfactory perception avoiding potential errors.

8 Olfactory Intensity Device (OID)

Simultaneously with the olfactory assessment and description, the intensity of the impression is registered by the simply choosing one of four intensity levels on the ODI.