Air Server-xr

Online air and gas sampling

Air Server-xr adds automated online air and gas sampling to the MARKES UNITY-xr. A controlled sample flow is delivered directly to the electrically cooled focusing trap; the complete system is called UNITY–Air Server-xr.



UNITY-xr + Air Server-xr

KEY FEATURES

- Expansion module for UNITY-xr; not a standalone thermal desorber
- Direct, flow-controlled air or gas sampling onto the focusing trap
- Scheduled sampling for unattended measurement sequences
- Three-channel online configuration for sample, zero gas and calibration
- Electrical Peltier cooling without liquid cryogen
- Single-tube analysis remains available on UNITY-xr; up to 100 tubes with optional ULTRA-xr
- Multi-Gas version: helium, nitrogen or hydrogen; the carrier gas and analytical system must be matched to the application.

TECHNICAL DATA

System base	UNITY-xr
Sampling	Air and gases, direct
Online configuration	3 channels
Operation	Scheduled sequences

APPLICATIONS AND CONFIGURATION

Ambient air, industrial gas streams, odorous compounds and ozone precursors; also for mobile laboratories and remote monitoring sites.

Operation requires UNITY-xr and a suitable GC or GC/MS system. The image shows the two modules together. Sample lines, measurement intervals and water management are configured for the application.

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