



Vocus Eiger

Real-time, trace VOC monitoring and analysis for mobile applications



Built to Explore

The Vocus Eiger is a compact, mobile-ready PTR-TOF, equipped with the proprietary Vocus PTR Reactor – optimized for applications that demand speed and sensitivity with a small footprint.

Features

- Real-time VOC identification and reporting
- High mass resolving power for separation and accurate quantification of interfering isobaric species
- Intuitive software for continuous operation, secure remote access, and data reporting
- Rugged architecture for shock-tolerant operation in any orientation

Applications

- Fenceline monitoring
- Air toxic analysis
- QA & QC for manufacturing
- Mobile air quality monitoring



Fenceline Monitoring with the Vocus Eiger

The Eiger's compact design is ideal for fenceline monitoring campaigns where size and remote operation are critical.



Benzene measurements taken with a Vocus Eiger during an industrial mobile monitoring campaign.

Specifications

Sensitivity (cps/ppb, Xylene)	>1000
LOD (1-min, Xylene)	<20 ppt
Mass Resolving Power (FWHM, mass/charge 107 Th)	2200 Th/Th at specified sensitivity Up to 3000 Th/Th
Mass Range	Up to 4000 Th
Time Response	<100 ms
Mass	<95 kg
Size	<0.30 m ³ 422 mm x 630 mm x 840 mm
Power (Max /Typical)	1100 W / 600 W 100-240 VAC, 50/60 Hz
Electrical Connections	3x CAN, 2x Ethernet, 1x USB3, 2x USB2, 1x 4CH DO, 1x 4Ch DI, 2x Wifi, 1x HDMI, 2x Heater output, 1x 240V/120V
Gas Connections	1x 1/4" Swagelok, 3x 1/8" Swagelok, 1x 1/2" (Exhaust forepump), 1x 1/4" (Exhaust inlet)

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