

GAS DILUTER · GENERATIONAL STEP-UP

ZEPHYR VS ZEPHYR II



Same trusted precision. A new software core, unlimited capacity, and live on-the-fly mixture generation, on a purpose-built PC inside the instrument.

PREVIOUS GENERATION

ZEPHYR

The original compact two-channel diluter. Embedded ZeSoft, dedicated firmware, up to 10 stored sequences.

NEW · 2026

ZEPHYR II

AlySoft on a built-in PC. Unlimited sequences, gases and methods. On-the-fly mixture generation, audit trail, easy data export and software upgrades.

WHAT'S NEW IN ZEPHYR II

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| <p>01</p> <p>AlySoft on a built-in PC</p> <p>Unified platform across the GasMix™ range (AIOLOS III and beyond). One ecosystem, one learning curve, no external computer.</p> | <p>02</p> <p>On-the-fly mixture generation</p> <p>Change flow rates or target concentrations live, during a run. Adapt the gas mixture instantly without stopping the sequence.</p> | <p>03</p> <p>Unlimited sequences, gases & methods</p> <p>ZEPHYR was capped at 10 sequences. ZEPHYR II removes every limit: store as many calibration routines as needed.</p> | <p>04</p> <p>Audit trail, USB export & easy upgrades</p> <p>Easy cylinder registration, full audit trail, one-click data export via USB, and seamless software upgrades over the lifetime of the instrument.</p> |
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SPECIFICATION	ZEPHYR	ZEPHYR II
Software platform	ZeSoft (dedicated firmware)	AlySoft, shared with all GasMix™ devices
Computing architecture	Embedded firmware	Built-in PC
Stored sequences	10 max	Unlimited
Gases & methods	Limited library	Unlimited
Touchscreen	5" color, resistive	7" color, capacitive (faster, more responsive touch)
Outlet pressure	Atmospheric (higher on request)	Up to 7 bar(g)
Operating modes	Sequences only	Sequences + on-the-fly mixture generation
Audit trail	No	Yes, exportable
Data export / import	No	Yes (USB)
Easy software upgrade	No	Yes
Continuous quality follow-up	Not available	Yes
Uncertainty calculation	Automatic	Automatic, live, real-time
Dimensions (L × W × H)	38 × 16 × 26 cm	43 × 15 × 25 cm

SHARED SPECIFICATIONS

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|--|-------------------------------------|-----------------------------------|--|
| 2 gas channels | Flow accuracy ±1% of setpoint | Repeatability <0.1% of setpoint | Dilution ratio 1:2000 (up to 1:10,000) |
| Concentration range % to ppb, fully programmable | Configurable flow rate per MFC | Response time <5 s | ISO 6145-7 compliant |
| 316L SS tubing, Kalrez® seals | Aggressive gases & active compounds | Analyzer sync (TTL / dry contact) | Optional rechargeable battery |
| Power 90–260 VAC, 50–60 Hz | Weight 6.5 kg | | |