ecotech
environmental monitoring solutions

When close enough isn't good enough.

The new range of Serinus Gas Calibrators.

The gold standard for reliability and accuracy in air monitoring.

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Serinus Cal 3000

The world has a new benchmark.

For years now, Ecotech's gas calibrators have been an international byword for precision calibration. But we didn't stop our innovation there; our gas calibrators have continued to evolve based on customer-led feedback, and continue to be the gold standard for reliability and accuracy in air monitoring.

Ecotech's new range of Serinus Gas Calibrators offers communication, programmability and usability that is second to none in ambient and emission monitoring systems. Every facet of performance has been honed, while the new range has a modern interface that offers unprecedented ease of use, giving you confidence that you can achieve precise, accurate results.

Delivering precise and constant dilution ratios of various calibration gases, including CO, CO_2, O_3, NO_x, NO_y, NH_3 and SO_2 with easy step-by-step control, Serinus sets a new standard in gas calibration.

- Highly flexible: gas dilution calibrations, ozone analyser precision checks, gas phase titrations and ozone transfer calibrations

- New user interface, conceived and designed using customer input, is simple to configure and intuitive to use

- Class-leading performance: accuracy, traceability, repeatability

It all starts here.

Display readout:
```
Diluent AIR          2.98 slpm
Source  StdMix       20.0 sccm
Output Flow          3.00 slpm

NO       0.400
SO2      0.407
CO      40.187

MultiP 400    25 mins      ppm
Sequence  16:58:46  Main Menu
          2014-11-21           USB
```

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Serinus Cal 1000

The Serinus Cal 1000 performs gas dilution calibrations and is used in conjunction with regulatory traceable gases and a zero air generator.

The most cost effective solution, the Serinus Cal 1000 allows the most up-to-date calibrations technology to be available to all.

FEATURES

Performs single and multi-point calibrations using the Serinus Calibrator's precision mass flow controllers, for the utmost confidence in the results

Performs calibration manually through user interface or remotely via RS232, USB networks or digital inputs

Designed and developed with wide-ranging customer input for easy, intuitive, accurate use

Raising the bar.

Ecotech's reputation is built on air quality monitoring, and is based on keeping workforces, communities, businesses and the environment safe.

So we know how important measuring ground-level ozone accurately can be. With all the features of its Serinus Cal 1000 stablemate, the Serinus Cal 2000 adds features essential for calibration of your NO_x and O_3 analysis equipment. An internal ozone generator enables regular ozone checks and gas phase titrations (GPT).

FEATURES

All the calibration ability and ease of use found in the Serinus Cal 1000

Internal ozone generator produces 3 ppm to 5 ppm of ozone

Ability to premix ozone and source gas before dilution to perform gas phase titrations (GPT)

The new gold standard.

Reliability, accuracy and precision are hallmarks of Ecotech's product range. It's why Ecotech's Calibrators have long been trusted worldwide.
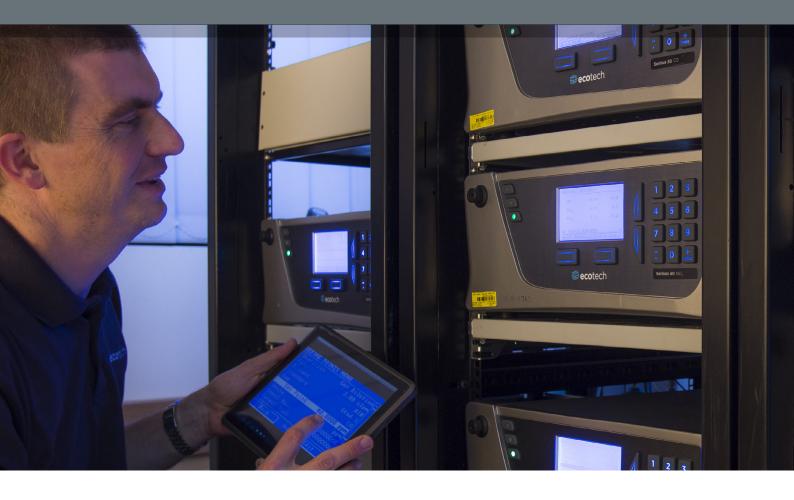
With the launch of the new Serinus range of Gas Calibrators, those hallmarks have been retained and honed, while usability takes a bold leap forward. Epitomising this, the Serinus Cal 3000 includes an ozone photometer for the accurate creation and delivery of ozone concentrations when calibrating ozone analysers. The photometer accurately and continuously measures the ozone concentration to control output of the internal ozone generator, providing an accurate ozone source for routine ozone calibration.

FEATURES

New Serinus Cal user interface makes all functions simple and intuitive

In-built photometer and ozone generator for use as a Level 3 ozone transfer standard

Ozone photometer based on the reliable and proven technology used in the Serinus 10 gas analyser

Developing a new generation in ozone calibration.

Nothing matters more to us at Ecotech than protecting workforces, communities and the environment. By helping to protect them, we help you protect your organisation's crucial reputation.

For decades, we've played a lead role in air quality monitoring. Along the way we've learnt a lot, including the absolutely essential role of gas calibration.

GLOBAL PROBLEM. ECOTECH SOLUTION.

Ground level ozone is one of the pollutant gases monitored and regulated by most governments around the world. It is a component of smog, harmful to the environment and human health.

To accurately measure ozone, the gas analysers which monitor its levels need to be regularly maintained and calibrated. Problem is, ozone is reactive and unstable: it cannot be kept in a gas cylinder for any practical length of time. Therefore the ozone concentration must be generated and verified on site.

The International Bureau of Weights & Measures (BIPM) in France maintains a standard reference photometer as the world's ozone reference standard. At Ecotech, we maintain the traceability of ozone calibrations to a network of reference photometers which report back to the ultimate BIPM so we can produce internationally comparable data for ozone monitoring.

That way, you know your Serinus Calibrator is delivering against the gold standard.

Brilliantly simple.

As outstanding in practice as they are technically.
Simple to use. Straightforward to configure to your needs.

The new Serinus interface works across the board to make any function simple, easy to navigate therefore more likely to be flawless in execution. Configure your calibrator with any of the following options and Serinus ensures you enjoy the same intuitive operation:

SOURCE MASS FLOW CONTROLLER (MFC) OPTIONS:

- Primary Source Mass Flow Controller: 10 SCCM Source MFC to 2 SLPM Source MFC (default: 50 SCCM MFC)

- Additional Source Mass Flow Controller: 10 SCCM Source MFC to 2 SLPM Source MFC

- Additional 4 source inlets

DILUTANT MASS FLOW CONTROLLER (MFC) OPTIONS:

- Primary Dilutant Mass Flow Controller: 1 SLPM Dilutant MFC to 20 SLPM Dilutant MFC (default: 10 SLPM Dilutant MFC)

- Additional Dilutant Mass Flow Controller: 1 SLPM Dilutant MFC to 20 SLPM Dilutant MFC

- Additional 2nd Dilution Port

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Make the new standard your standard.

Contact Ecotech for ordering and delivery details.

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