



# Calibration Equipment

for OPSIS AR600 Series  
Continuous Emissions Monitoring Systems

OPSIS offers a range of calibration equipment for use with its continuous emissions monitoring systems. The following equipment is used for manual calibration of systems based on ER060.

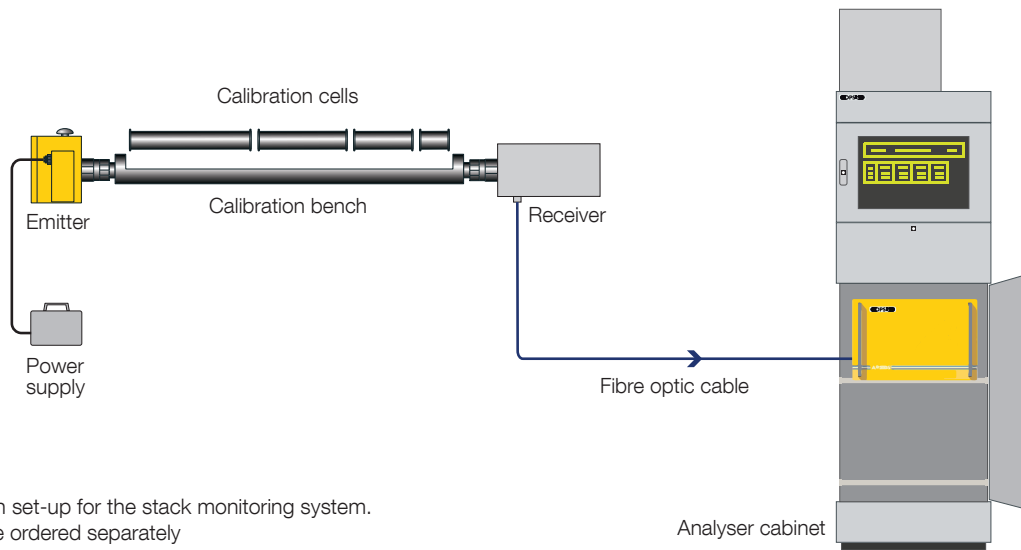
It is based on the CB100 calibration bench. This is used with an EM060 light emitter at one end and an RE060 receiver at the other, with the receiver being connected to the analyser by a fibre optic cable. The set-up creates a light path for manual calibration.

A calibration is carried out by inserting cells with transparent windows into the short lightpath.

Calibration gases are flushed through the cell. A range of cell lengths allows flexible selection of a calibration procedure to suit the system and the compounds it is specified to monitor.

When calibrating with nitrogen dioxide (NO<sub>2</sub>), an optical filter, GG400, is normally required to avoid its photodissociation into NO. This filter is optically neutral and does not affect span or reference calibrations.

# SYSTEM OVERVIEW



A calibration set-up for the stack monitoring system.  
All items are ordered separately

## Standard Equipment

- 1 x CB100 calibration bench
- 1 x EM060 emitter (see product sheet P03)
- 1 x RE060 receiver (see product sheet P03)
- 1 x fibre optic cable (see product sheet P09)

- 1 x PS150 power supply
- 1 x CC001 calibration cell which is available in various lengths
- When monitoring NO<sub>2</sub>, a GG400 optical filter is required. Accessories include UV filters.

## Technical Specifications

### CB100-01

Material	stainless steel
Length	1 m
Weight	3 kg
Connection	G 1 1/2", internal thread

### CC001

Material	stainless steel
Cell lengths (standard)	< 10 mm

### CC002

Material	stainless steel
Cell lengths (standard)	10, 15, 40, 100, 250, 500, and 900 mm

### GG400

Application	NO <sub>2</sub> calibrations
Filter diameter	50 mm

For the specifications on EM060 and RE060, please refer to separate product sheet.

The choice of cell lengths depends on the monitoring path length and the gas concentration in the stack. Please refer to separate data sheets.

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Please contact your OPSIS supplier to discuss your particular system requirements, including the compounds you wish to monitor. Separate application and other product sheets are available. Specifications subject to change without notice.

## OP SIS AB

Box 244, SE-244 02 Furulund, Sweden

+46 46 72 25 00 • info@opsis.se • www.opsis.se