

Autocalibrator II

Calibrator for personal gas monitors



Autocalibrator II offers a simple and reliable way to calibrate portable gas detectors automatically.

For safe and dependable operation, all gas detectors must be calibrated regularly. This requires skilled personnel and, for large numbers of instruments, can be time consuming.

When linked to a suitable PC running Windows™, Autocalibrator solves these problems by automating the complete test and calibration procedure.

The bench top Autocalibrator has inlets for up to five test gases (plus purging air) and connects via a custom manifold to the instrument on test.

Crowcon's PC software controls Autocalibrator, testing each gas channel in turn. On-screen monitoring of the calibration procedure is provided and most importantly a hard copy printout and datafile is generated. This allows a permanent record to be kept of an instrument's complete calibration history.

Autocalibrator provides safe, reliable calibration so you can depend on your instruments.

Features

Simple and convenient:

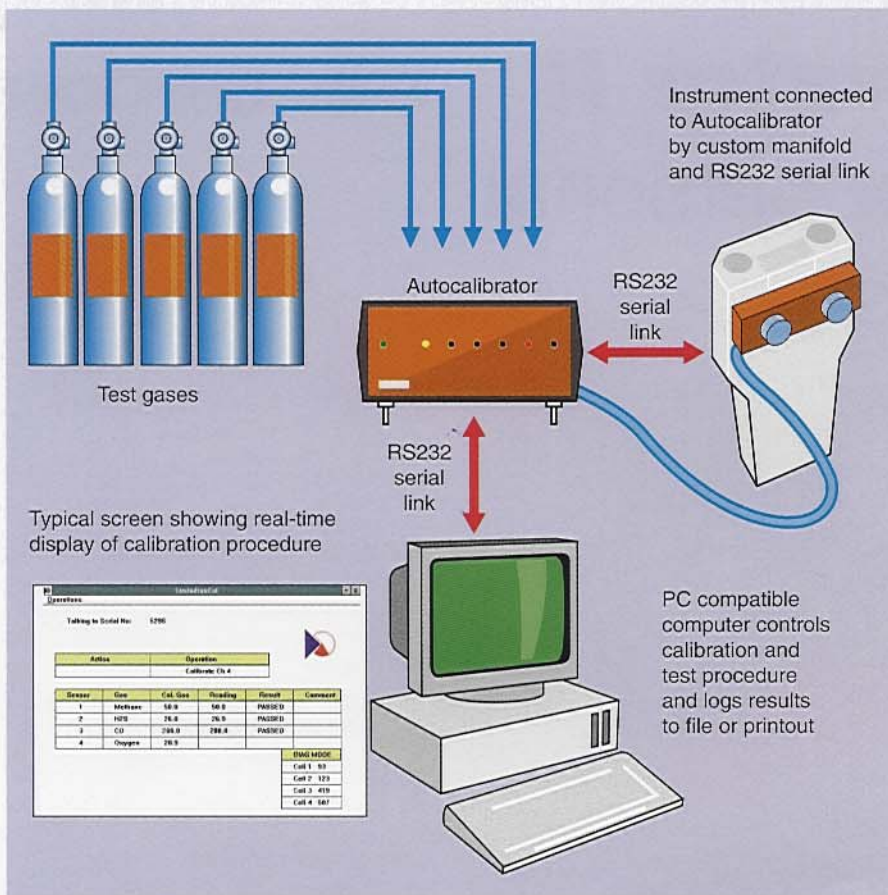
- Fully automatic
- *simply plug in and go*
- No need for qualified technician to operate
- Saves up to 10 minutes compared with manual calibration
- Calibrates up to 5 gases.

Safe and reliable:

- Prints out calibration report
- Saves individual instrument calibration history as a single file
- Automatically sets next due date for calibration
- Eliminates user error.

Easy Windows™ compatible PC interface:

- PC display shows
 - *instrument serial number*
 - *gas type*
 - *alarm levels*
 - *status of calibration*
 - *pass or fail rating*
- Generates service and calibration database
- Single key stroke starts operation
- Software runs in background mode to keep PC free for other use.



PC interface

Autocalibrator has an in-built computer interface which, using the RS232 lead, is connected to the serial port of a PC. Dedicated software developed by Crowcon allows the instrument calibration to be operated and monitored.

The PC display shows the serial number of the instrument, gas type and alarm levels for each gas channel. Each part of the calibration procedure is indicated by a text display showing the current mode and action required. A clock icon indicates elapsed time.

The next due date for calibration is set automatically. All calibration records for each instrument are held in a dedicated file providing a database of calibration history. A hard copy record is also available.

Test gases

Crowcon offers a range of bottled test gases suitable for use with Autocalibrator. 57 and 103 litre bottles are available with gas concentrations suitable for most customers' needs.

Specification

Dimensions: 120 h x 240 w x 250 d mm (4.5 x 9.5 x 10 inches)

Typical gases and concentrations:

Methane	50% LEL (2.5% v/v)
Pentane	50% LEL (0.7% v/v)
Hydrogen sulphide	25 ppm
Carbon monoxide	200 ppm
Sulphur dioxide	10 ppm

(Other gases available)

Compatible Crowcon instruments and calibration times (per channel):

Custodian	70 seconds
Triple Plus	180 seconds
Detective	180 seconds

Control panel: Green on/off LED
 Yellow LED indicates purging cycle
 Red LED indicates gas channel being tested

PC interface: *Minimum requirements:*
 PC compatible, 386 processor running Windows™
 Version 3.1 requires 4 Mb RAM
 Version 95 requires 8 Mb RAM
 RS232 serial port

PC display: Serial number of instrument
 Gas type
 Alarm levels for each channel
 Status of calibration – current mode, action and elapsed time
 Pass or fail rating

Power supply: 110-230 V ac

Operation: Safe Area only

Operating temp. range: 10°C to 40°C (50°F to 104°F)

Humidity: 0-95% RH non-condensing

Contact

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