



LC500

Liquid Calibrator for HgCl₂ and H₂O

The OPSIS LC500 Liquid Calibrator is a calibration gas generator for gas monitoring equipment.

The LC500 generates gas vapour mixtures with selectable temperature and humidity.

The unit consists of a housing with the liquid supply unit/carrier gas mass flow controller/computer and an external evaporator.

The liquid supply unit is a liquid dispenser with high accuracy and large flow range.

The built in computer has an operator interface for selecting the mixture properties.

Once started, the calibration process is fully automated, displaying the various actual settings and feedback from the different controls.

The evaporator unit can be installed close to the gas monitoring equipment calibration inlet.

The equipment is housed in a transport safe box.

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Technical Specifications LC500

Dimensions (L × W × H)	485 × 440 × 200 mm
Weight (approx.)	15 kg
Ambient temperature	-40 °C to +80 °C (-40 °F to +175 °F)
Degree of protection	IP 54
Concentration Range HgCl ₂	1-10 000 µg/m ³
Concentration Range H ₂ O	0.1-30 % Vol.
Linearity	< 2 %
Accuracy	< 2 %
Error fluctuation	< 2 %
Long-term stability	< 2 %/year
Warm-up time	30 min.
Carrier gas flow	3-10 l/min.
Liquid flow	0.01-8 ml/min.
Total flow	Up to 1000 l/h
Evaporation temperature	Up to 200 °C
Gas fittings	6 mm
Supply carrier gas	Compressed air 2-6 bar
Supply voltage	230 V _{AC} / 115 V _{AC} , 48-62 Hz
Power requirement	Max. 1000 W

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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.

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