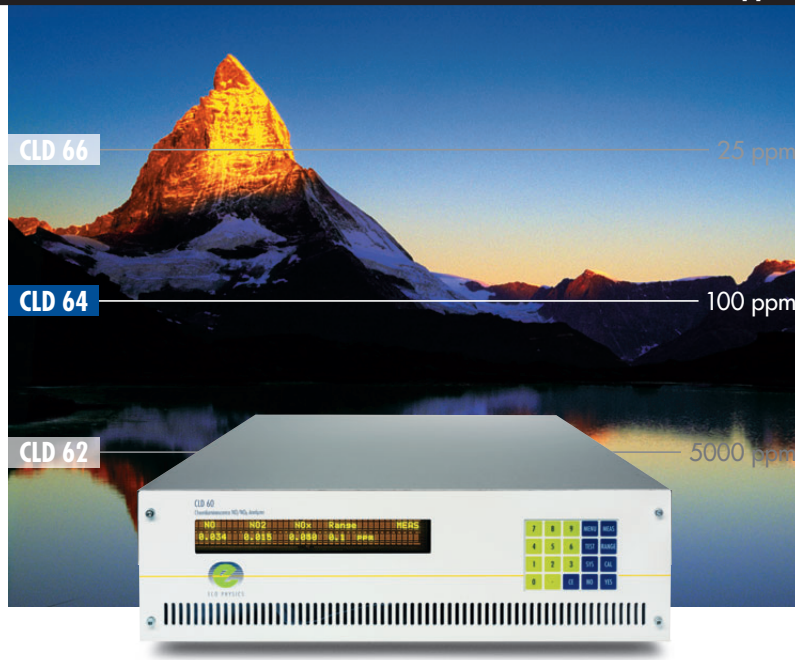


ECO PHYSICS CLD 64

Application examples

- Compact design
- Internal ozone generator and scrubber
- Molybdenum or steel converter for NO_x detection
- Four freely selectable measurement ranges
- Operation and control via keypad or personal computer
- Mobile DC operation

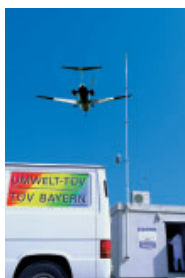


- Measurement of pollutants (fixed and mobile stations)
- Outdoor NO₂ monitoring
- Series checks and quality control
- Efficiency control on DeNO_x installations
- Total nitrogen monitoring (TN)

The new CLD 64 nitrogen oxide analyzer is the economical solution for the continuous measurement of NO, NO₂ and NO_x concentrations even in the low parts per billion!



Outdoor NO₂ and NO_x monitoring.



Mobile measurement stations.

We show you even smallest variations

For years ECO PHYSICS has been one of the leading firms in pollutant measurement. Our analyzers come into use wherever concentrations of nitrogen oxide compounds have to be measured.

Either integrated into entire production processes and systems, or as stand-alone devices in monitoring stations, they continuously deliver the exact NO, NO₂ and NO_x values you require. The design of the instrument is optimized for rack mount and stand-alone applications.

Economical solution

The CLD 64 fulfils the requirements of outdoor NO₂ and total NO_x monitoring in fixed or mobile stations. Detecting and monitoring of smallest variations of NO/NO_x concentrations is one of the key features. The fast response and lag time in less than a second is unique of its class.

NO₂ and total NO_x is measured by molybdenum or an optional steel converter.

User-friendliness

The development of an ECO PHYSICS analyzer always includes full user comfort. The user can adapt the operation according to his needs and applications by selection of predefined settings via the keypad and remotely from a PC.

Warning and error messages are displayed coded and in full text. The analyzer guides the user step by step to return to normal operation.

Maintenance simply means annual replacement of filters and membranes besides the consumables required by special sampling conditions.

Easy calibration

Calibration is quickly and automatically carried out. This extremely useful feature eliminates the potential risk of erroneous calibrations.

Compact and modular design

The CLD 64 is the most compact unit of its class. Thanks to the totally modular layout and integrated ozone generator and scrubber it is designed for a multitude of applications.



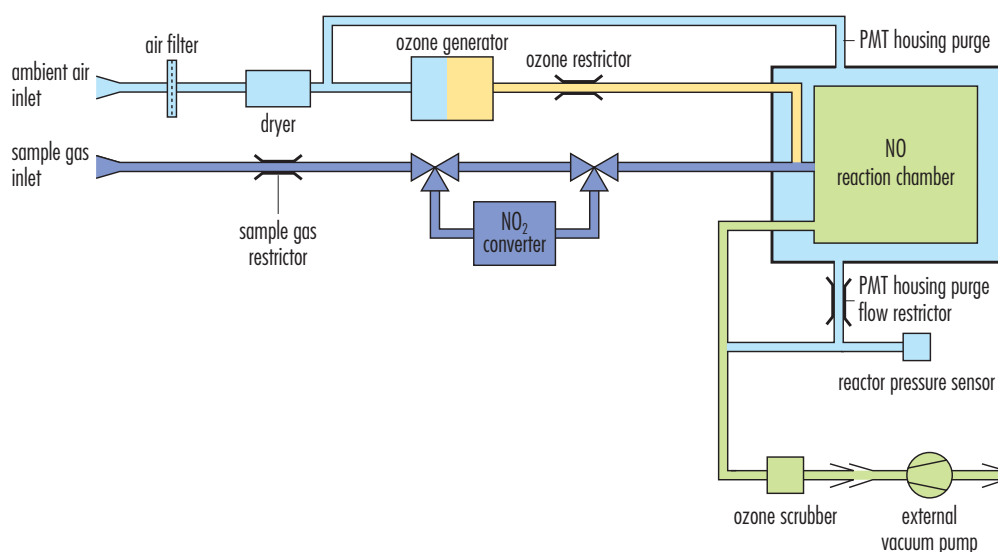
Quality controls in production processes.

CLD 64

Specifications

<i>Measuring ranges</i>	four freely selectable ranges from 2 ppb–100 ppm	<i>Dimensions</i>	height: 133 mm (5 ¹ / ₄ " width: 430 mm (17" depth: 455 mm (18")
<i>Min. detectable concentration</i>	2 ppb	<i>Weight</i>	13 kg (29 lb) without pump
<i>Noise at zero point (1σ)</i>	1 ppb	<i>Delivery includes</i>	CLD 64 analyzer, external power supply, power cable, vacuum pump, operator's manual
<i>Lagtime</i>	<1 sec	<i>Standard</i>	CLD 64 NO/NO _x analyzer with internal molybdenum converter
<i>Rise time (0–90%)</i>	<1 sec	<i>Options</i>	S steel converter IO analog I/O interface (dual output) L LAN DC 24 V DC operation incl. DC vacuum pump R rack mount slides F inlet filter
<i>Temperature range</i>	5–40 °C		
<i>Humidity tolerance</i>	5–95% rel. h (non-condensing, ambient air and sample gas)		
<i>Sample flow rate</i>	300 ml/min		
<i>Input pressure</i>	ambient		
<i>Dry air use for O₃ generator</i>	internally generated (no external supply gas required)		
<i>Power required</i>	250 VA, external membrane pump 250 VA		
<i>Supply voltage</i>	100–230 V/50–60 Hz, external power supply		
<i>Interface</i>	RS 232; LAN (optional)		
<i>Analog output (optional)</i>	4–20 mA into 500 Ω max.; 0–1 V; 0–10 V	<i>ECO PHYSICS reserves the right to change these specifications without notice.</i>	

Flow diagram



ECO PHYSICS