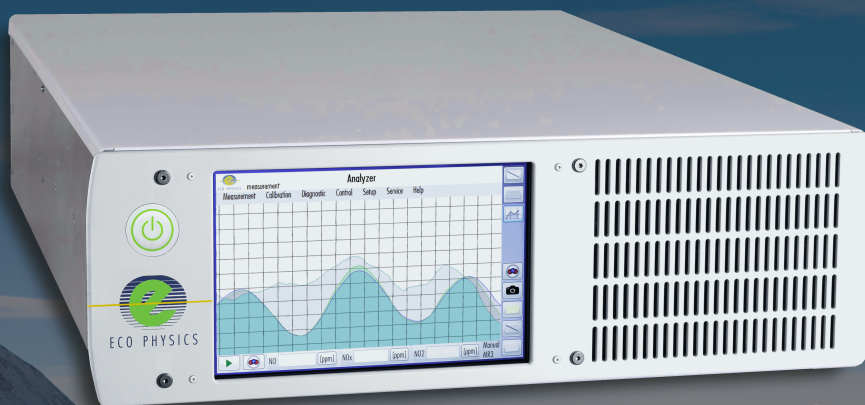




ECO PHYSICS nCLD 66 Y

APPLICATION EXAMPLES

- Ambient air monitoring
- Clean room monitoring
- Mobile area surveillance
- Surveillance of R&D processes
- Biomed. and pharma research
- Plant physiological research
- Certification and calibration



The nCLD 66 Y is the next generation in single-channel ambient air monitoring instrumentation. Unique in speed and precision, the nCLD 66 Y is modular designed and capable of sequentially measuring NO, NO₂ and NO_x. Its graphical user interface also individually displays and connects to other instrument's data.

Measurement of:

- NO
- NO₂
- NO_x

Flexible Ambient Air Monitoring

The nCLD 66 Y is the ideal instrument for ambient air monitoring, either installed in racks, fixed monitoring stations or mobile laboratories. Besides the ambient air in the open environment, the analyzer is also suitable for air quality monitoring in production plants and offices (TLV = threshold limit value). The nCLD 66 Y is a single-channel NO_x-detector based on a modular principle. The measurement ranges are individually adjustable, the parameters are NO, NO₂ and NO_x and the instrument's inlet operates at ambient pressure. Calibration and adjustment of the unit runs quick and automatic while all necessary data is continuously stored and available anywhere and at any time.

User Friendliness with "GUI"

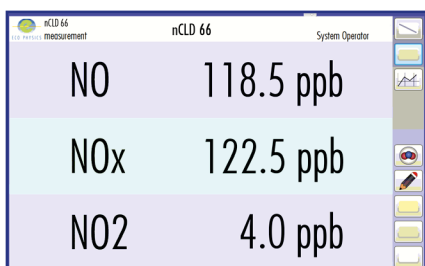
The new touch sensitive graphical user interface "GUI" enables the user to individually adjust the instrument operation and data management according to his/her needs and applications. The bright 8" monitor gives a clear overview and allows numerical and graphical display of values. Multiple digital in- and outputs guarantee a maximal connectivity and flexibility for the remote operation, control and maintenance of the nCLD 66 Y, ensuring unsurpassed precision and reliability.

Compact, Modular and Intelligent!

The nCLD 66 Y is manufactured in a new compact and modular layout, in which each essential component of the chemiluminescence analyzer hosts its own CPU and interacts with other CPUs by BUS-communication. This assembly increases accessibility and serviceability by reducing wiring and piping. The measurement principle will conform to the standard method for NO_x-detection in ambient air (EN 14211).

- Compact and modular design
- Guided touchscreen operation
- Mobile DC operation
- Remote operation, control and maintenance
- Molybdenum converter for NO_x detection
- Four freely selectable measuring ranges

Graphical user interface "GUI" for individual analyzer operation and data management



Measurably better

SPECIFICATIONS

nCLD 66 Y

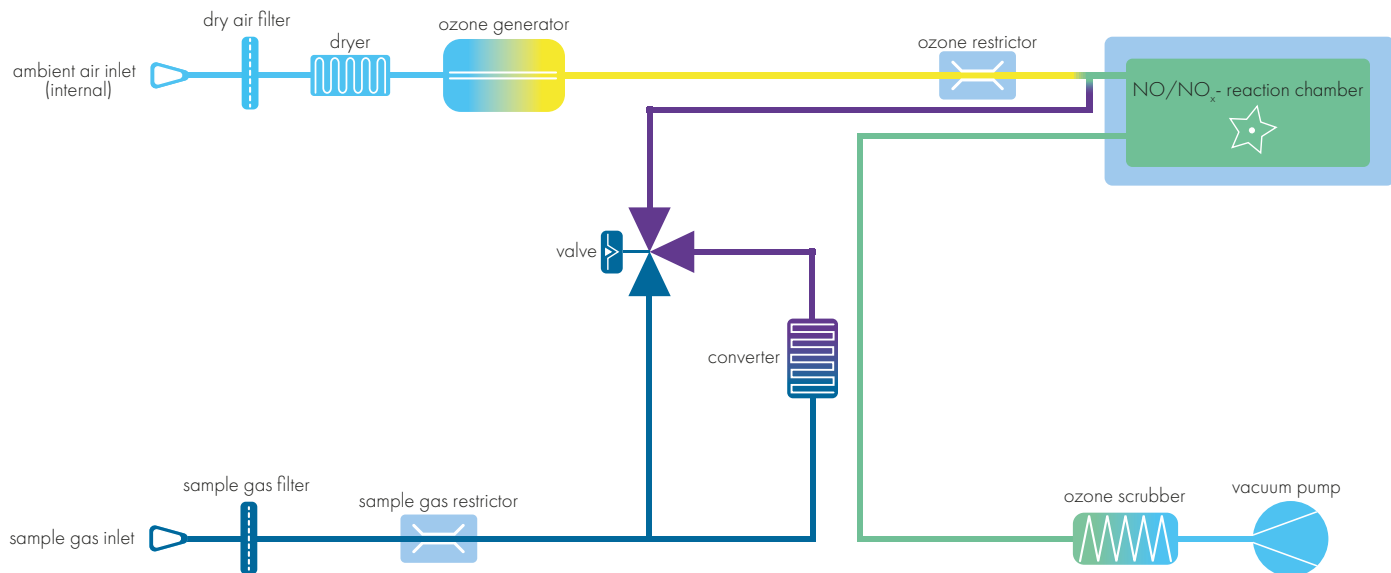
Analyzer type	single chamber CLD with cooled PMT for sequential measurement of NO, NO ₂ , NO _x
Measuring ranges	four freely selectable ranges from 50 ppb - 25'000 ppb
Min. detectable concentration*	0.5 ppb
Noise at zero point (1σ)*	0.25 ppb
Lag time	30 sec (min. toggle interval)
Rise time (0 - 90%)	<3 sec (single-channel mode)
Temperature range	5 - 40 °C
Humidity tolerance	5 - 95% rel. h (non-condensing, ambient air and sample gas)
Sample flow rate	0.1 l/min
Input pressure	ambient ext. stabilized within ±3 mbar
Dry air use for O ₃ generator	internally generated (no external supply gas required)

Power required	300 VA 250 VA external membrane pump
Supply voltage	100 - 240 V/50 - 60 Hz
Interface	USB(3x), HDMI, Bluetooth, RS232 (w/o 9pin connector), LAN, WLAN
Dimensions	height: 133 mm (5¼ ") width: 450 mm (19 ") depth: 540 mm (21.2 ")
Weight	16 kg (35 lb) without pump
Delivery includes	nCLD 66 Y analyzer, power cable, USB-LAN adapter
Standard	nCLD 66 Y · Y - molybdenum converter · toggle mode for NO ₂ measurement
Options	· 24 V operation incl. DC vacuum pump · inlet filter · rack mount slides · FTDI-RS232-USB cable · HDMI cable · USB-RS232 9pin connector · 0 - 10 V · 4 - 20 mA into 500 Ω max.
Analog output (External Box)	

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FLOW DIAGRAM

*Depending on filter setting
Connectivity properties are country-specific
ECO PHYSICS reserves the right to change these specifications without notice.



ECO PHYSICS

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