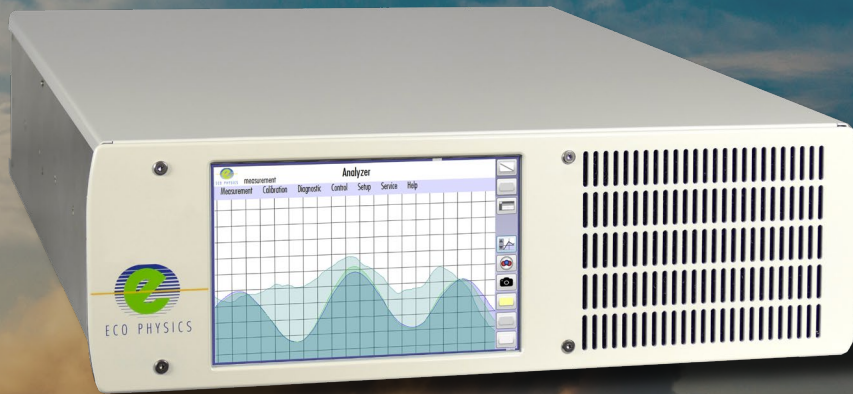




ECO PHYSICS nCLD 62

APPLICATION EXAMPLES

- Stack emission measurement
- Surveillance of ship engines
- Operation of boilers and burners
- Gas turbine installations
- Research and development
- Certification and calibration



The nCLD 62 is the next generation in measuring NO/NO_x. Unique in speed and precision, the nCLD 62 is modular designed and allows the continuous measurement of concentrations in the range of parts per million. The measuring principles comply with international emissions monitoring regulations and its new and intuitive user interface "GUI" individually displays and connects to other instruments' data.

Precise and Reliable

The nCLD 62 fulfills the specific requirements for exact and economical monitoring of NO/NO_x to ensure compliance with relevant norms and regulations. All necessary data, such as calibration history, instrument status and warning conditions are continuously stored and available anywhere and at any time. The analyzer is designed for either mobile or stationary operation in line with an existing gas preconditioning unit, which ensures quality control as well as staying within threshold values. Calibration and adjustment of the unit runs quick and automatically, ensuring unsurpassed precision and reliability.

User Friendliness with "GUI"

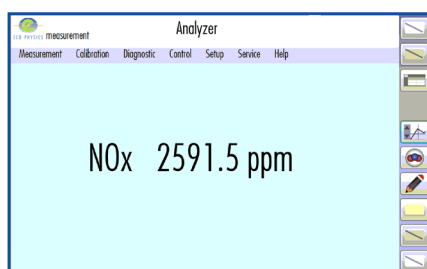
The new touch sensitive graphical user interface "GUI" enables the user to individually adjust the instrument operation and data management according to his/her needs and applications. The bright 8" monitor gives a clear overview and allows numerical and graphical display of values. Multiple digital in- and outputs guarantee a maximal connectivity and flexibility for the remote operation, control and maintenance of the nCLD 62.

Compact, Modular and Intelligent!

The nCLD 62 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 conforms to the standard method for NO_x-detection in stationary source emissions (EN 14792).

- Compact and modular design
- Guided touchscreen operation
- Mobile DC operation
- Remote operation, control and maintenance
- Metal or steel 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 62

Measuring ranges	four freely selectable ranges from 5 ppm –5000 ppm	Supply voltage	100–230 V/50–60 Hz
Min. detectable concentration*	0.5 ppm	Interface	USB(2x), HDMI, Bluetooth, RS232 (w/o 9pin connector), LAN, WLAN
Noise at zero point (1σ)*	0.25 ppm	Dimensions	height: 133 mm (5¼ ") width: 450 mm (19 ") depth: 540 mm (21.2 ")
Lag time	<1 sec	Weight	16 kg (35 lb) without pump
Rise time (0-90%)	<3 sec	Delivery includes	nCLD 62 analyzer, power cable, USB-LAN adapter, manual
Temperature range	5-40 °C	Standard	nCLD 62 NO/NO _x analyzer, steel converter
Humidity tolerance	5-95% rel. h (non-condensing, ambient air and sample gas)	Options	· metal converter · rack mount slides · inlet filter · FTDI-RS232-USB cable · USB-RS232 9pin connector · 24 V operation incl. DC vacuum pump · 0-10 V/4-20 mA into 500 Ωmax.
Dry air use for O ₃ generator	internally generated (no external supply gas required)	Analog output (External Box)	
Sample flow rate	35 ml/min		
Input pressure	ambient		
Power required	280 VA 250 VA external membrane pump		

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FLOW DIAGRAM

* depending on filter setting
ECO PHYSICS reserves the right to change these specifications without notice.

