The nCLD 62 MOx is the next generation in measuring NO/NOX, O2 and CO2. Unique in speed and precision, the nCLD 62 MOx 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.

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

**Precise and Reliable**
The nCLD 62 MOx one-channel multi-gas analyzer fulfills the specific requirements for exact and economical monitoring of NO/NOX, O2, CO2 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 TLVs (threshold limit value). 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 MOx.

**Compact, Modular and Intelligent!**
The nCLD 62 MOx 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 NOx-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 NOx detection
- Four freely selectable measuring ranges
**SPECIFICATIONS**

- **Measuring ranges**
  - NO\(_x\): four freely selectable ranges from 5–5000 ppm
  - O\(_2\): 0-25%
  - CO\(_2\): 0-20%

- **Min. detectable concentration**
  - 0.5 ppm NO\(_x\)
  - 0.2 % O\(_2\)
  - 0.6 % CO\(_2\)

- **Noise at zero point (1σ)**
  - NO\(_x\): 0.25 ppm
  - O\(_2\): 0.1%
  - CO\(_2\): 0.3%

- **Lag time**
  - <1 sec

- **Rise time (0-90%)**
  - <30 sec

- **Temperature range**
  - 10-40 °C

- **Humidity tolerance**
  - 5-95% rel. h (non-condensing, ambient air and sample gas)

- **Dry air use for O\(_2\) generator**
  - internally generated (no external supply gas required)

- **Sample flow rate**
  - 40 ml/min

- **Input pressure**
  - ambient

- **Power required**
  - 280 VA

- **Supply voltage**
  - 100–230 V/50–60 Hz

- **Interface**
  - USB(2x), HDMI, Bluetooth, RS232 (w/o 9 pin connector), LAN, WLAN

- **Dimensions**
  - height: 133 mm (5¼")
  - width: 450 mm (17.7")
  - depth: 540 mm (21.2")

- **Weight**
  - 16 kg (35 lb) without pump

- **Delivery includes**
  - nCLD 62 MOx analyzer, power cable, USB-LAN adapter, manual

- **Standard**
  - nCLD 62 MOx NO\(_x\), O\(_2\) and CO\(_2\) analyzer, steel converter

- **Options**
  - · metal converter
  - · rack mount slides
  - · inlet filter
  - · FTDI-RS232-USB cable
  - · USB-RS232 9 pin connector
  - · 24 V operation incl. DC vacuum pump
  - · 0-10 V/4-20 mA into 500 Ωmax. (External Box)

- **Analog output**
  - (External Box)

**FLOW DIAGRAM**

ECO PHYSICS reserves the right to change these specifications without notice.