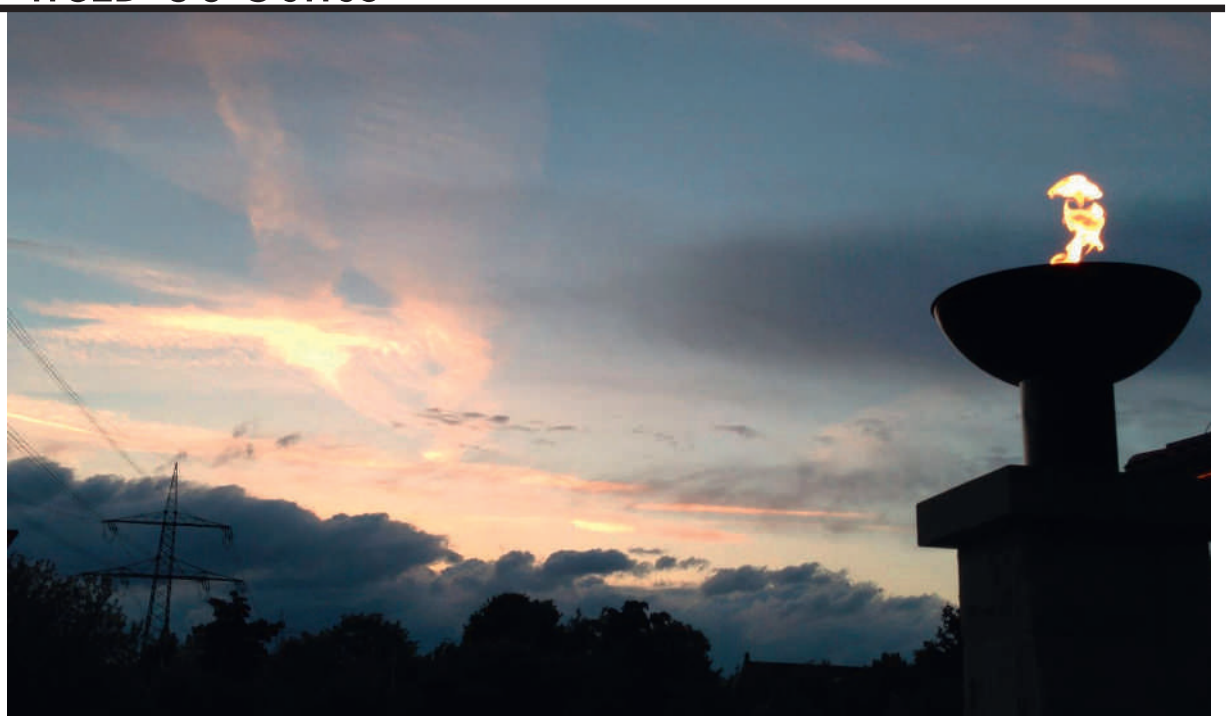
nCLD 60 Series



Economical, reliable, precise, intelligent.

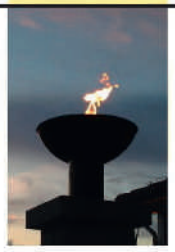
ECO PHYSICS

Measurably better.

Our analyzers detect nitrogen oxides at any concentration.

Many scientists, technicians and engineers depend on the NO_x readings from their ECO PHYSICS analyzers. Many more would like to – and now they have a choice: The cost-effective nCLD 60 series. The simplified setup makes it easy for every system integrator.

Applications	nCLD 62	nCLD 63	nCLD 64	nCLD 66
Stack emissions	•	•		
Burner and boilers	•	•		
Waste incineration	•	•		
Energy production and turbines	•	•		
Petrochemical plants	•	•		
Quality control in production		•	•	
$DeNO_x$ devices		•	•	
Ambient monitoring		•	•	•
Chemical and high-tech industries		•	•	•
Indoor NO_2 measurements			•	•
Clean-room surveillance				•
Research in plant physiology				•
Biomedical and pharmaceutical research laboratories				•



Focused on comfortable operation

User comfort has always been a top priority in the development of an ECO PHYSICS analyzer. The instrument offers predefined settings to facilitate user operation, which can be performed by means of the 8-inch color touchscreen or remotely from a PC, laptop, touch pad or mobile phone. The user-friendly and versatile "GUI – Graphical User Interface" guides the user and enables him to take advantage of all analyzer functions with simple commands. With a few options available, the analyzer can be tailored to your needs.

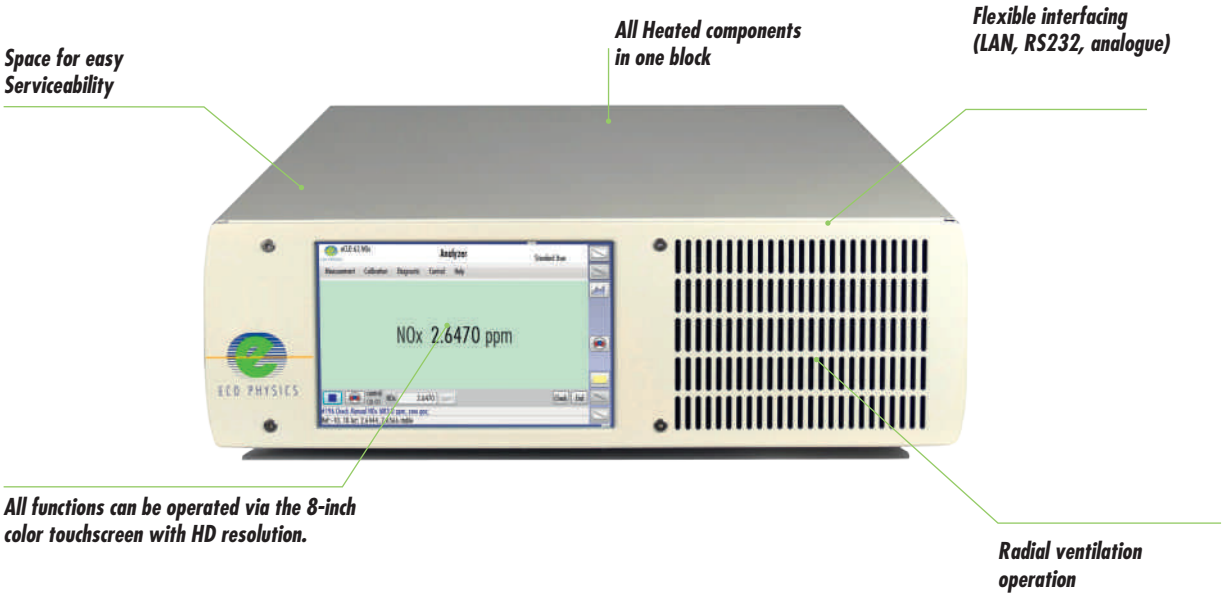
Basics reduced to the optimum

Each nCLD series 60 analyzer optimizes the chemiluminescence detector (CLD) to its basic components. All the heated parts are combined and include even the efficient thermal ozone scrubber.
Ozone generation does not require a special gas supply; it just takes normal clean ambient air. The compact reaction chamber is the heart of the analyzer. All these high-quality components guarantee a nearly maintenance-free operation. Apart from expendable material for sampling purposes, service is limited to the yearly replacement of filters and membranes.

Equipped with neoCLD Technology

A truly modular concept newly developed by ECO PHYSICS where each component holds its own intelligence. All modules are internally connected by a BUS communication system, which reduces the instruments' wiring. Each module comes now with its own drivers and microprocessors to measure and/or control physical parameters like temperatures, ressures, flows and counts. The main software platform nCLD-GUI controls, visualizes and logs all relevant parameters.

Swiss Precision Featuring



A fascinating technology

The analyzers of the nCLD 60 series are not only state-of-the-art products in terms of precision and reliability. Their technological base also sets the trend for others. The principle of chemiluminescence detection is an extremely selective method for measuring nitrogen oxides precisely, with high linearity over a wide concentration range and with very high reproducibility. These qualities are the basis for the acknowledged high performance of ECO PHYSICS nCLD NO_X analyzers in tracking nitrogen oxides even down to the low ppt level.

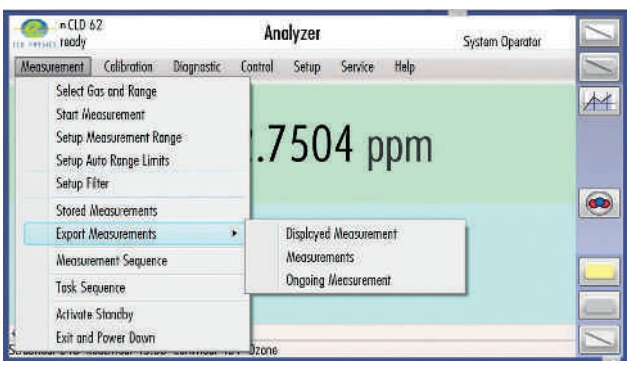
The ECO PHYSICS quality assurance

Each and every NO_X instrument must pass an extensive test procedure before it leaves the factory.

These performance tests can be recalled for every analyzer that ever left our manufacturing plant. Designed and produced in accordance with the ISO 9001 certification, a high-quality product with excellent support after the sale is insured.

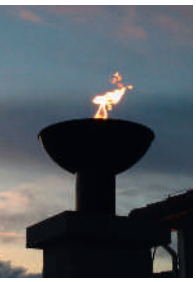
Easy to integrate

Integrating the analyzer in larger systems is easy. All nCLD 60 analyzers can be supplied with slides for rack mounting, and with its radial ventilation concept the compact instrument consumes only three height units from your rack. The state-of-the-art interfacing capabilities like LAN, RS232, analogue, WiFi and Bluetooth enable flexible data transfer.



The "Graphical User Interface" (GUI) guides you through the operation.

Creativity, curiosity and dedication to quality.



We are reaching for new markets and solutions guided by creativity and nourished by curiosity in our customers' needs. ECO PHYSICS offers today the fastest and most sensitive analyzers based on the principle of chemiluminescence.

Clean air is quality of life
Since many years and throughout the globe, ECO PHYSICS is known. Our instruments are in place to accurately measure nitrogen oxides: to check stack and exhaust gases, to observe air quality regulations, to improve health. Many scientists of the most reputed institutes and research centers rely on the quality of their measurements with ECO PHYSICS analyzers.

Focus on customer requirements
Working with customers that are at the leading edge of analytical and process technology, we strive to anticipate the changing needs of all our clients. Our market specialists for the business segments

- **environment**
- **industrial processes**
- **automotive and combustion engines**
- **manufacturing of semiconductors**
- **medical diagnostics**

and our worldwide representatives maintain contact with you.

The pace of our R&D team
The limits of technology are relative. Our motivated people in R&D are inventing this statement daily. Discovering emerging applications from your new requirements is our challenge to develop solutions. Creativity, curiosity and the dedication to quality have brought us an excellent reputation and led you closer to your goals.

Swiss quality, certified
First-grade quality is a condition, although it has been derived from international standards. It has been independently certified for ECO PHYSICS. Each and every product leaving our factory undergoes a strict quality control procedure. These performance tests can be recalled for every analyzer that ever left our manufacturing plant.

Partnership with you
Initiate a contact and we will add our part – this means partnership to us. In close cooperation with you we are developing solutions which comply with your specific requirements. ECO PHYSICS and our representatives are there when you need us – at the start of your project, through to the whole live, support and service.

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