SUPREME Line



Make a supreme choice.

The SUPREME Line instruments are ranking top level of the broad range of Chemiluminescence Detectors (CLD) from ECO PHYSICS. Find the best solution for your application.

CLD 811

10'000 ppm and a sensitivity of 10 ppb bient measurements. this analyzer is the ideal choice for evaluating emissions of combustion Other SUPREME Line models engines. But such strong performance The SUPREME Line form a superior characteristics may help for many oth- class of analytical instruments: be it as er applications.

CLD 899

ly available. This has made the instru- cycle on earth.

ment of choice for the new CraNOx II Covering measurement ranges up to system for continuous background am-

single channel versions or be it as a model with other technologies such as photo acoustic spectroscopy (PAS) for The sensitivity specification of 10 ppt gases beyond the simple nitrogen oxmakes this model best suited for at- ides. With the unique analyzers of mospheric research. With its two chan- ECO PHYSICS you will always find the nels precise NO₂ values are constant- best solution to investigate the nitrogen



CLD SUPREME



We measure what's in the air.



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Ease of measurement like you have always wanted

This sophisticated analyzer starts up automatically and begins the intended measurements immediately upon reaching its operating state. In the same simple manner you may operate and adapt all available parameters.

CLD SUPREME

One or two channel CLD with integrated pump Tabletop or rack mount version

Front panel can be hinged for access and better readability



Intelligent

be simple and self explanatory. You either get to choose the measurement transfer stored dacurve or values to be displayed on the ta to a memory screen or transmit them continuously. stick. Hidden be-Additional functions include: accessing hind the tiltable stored data, status, temperature and front is a removpressure conditions, errors and warnings and much more.

Big touch keys for the selection of parameters



Integrated

Providing analytical precision and measurement accuracy requires considerable engineering and inventing alyzers. Today this task can be solved skills. Hence its compact construction by one instrument: the CLD SUPREME. the analyzer offers outstanding characteristics. Due to a newly developed pump all components of the chemiluminescence detector fit into the carefully designed housing.

Applications

Nitrogen containing gases • NO • NO₂

- NO_X
- NH3

Combustion engines and its exhaust conditioning including catalysts are challenging modern instrumentation.





User norm and expectations

Even if an instrument is part of a complex measurement system autonomy and transparency of the individual analyzer are imperatively required. This tightened further. These standards are has started the success of touch no longer applicable only to cars, but screens, which have become a standard for user interfaces. It combines attractive information presentation itime Organization (IMO) puts a with interactive flexibility.

Beyond the user expects a powerful able operation of ship diesel tool, which does not only cover the in international waters. Crepresent requirement but anticipates up- ated upon these standards coming trends as an investment into ECO PHYSICS developed the future.

Standards and regulations

The automotive industry copes with regulations, which are in effect for 50 years and are in the process to be to combustion engines in general. In this respect the International Mar lot of effort to enforce sustainthe CLD SUPREME.



Car manufacturer

Engine development

Ship diesel

Catalysts

Fossil fuels

and lubricants Quality control

The front panel can be tilted allow-Nowadays, the user interface has to ing optimal readability as well as accessing a USB port – the easiest way to

able filter package



as the main consumable – with focus on user friendly maintenance.

Ideal

The measurement ranges of carefully configured CLDs cover up to a factor of five decimal powers. Introducing CLD SUPREME, the first instrument covering an additional factor of ten to reach six decimal powers. Applications requiring high dynamic measuring range such as pre and post catalyst measurements necessitated two different an-

Numerous interfaces for gases, electrical signals and computers