



Industrie Service

# Certificate

TÜV Süd Industrie Service GmbH

Laboratory for Environmental Services  
(Laboratorium Umwelt Service)

accredited according DIN EN ISO/IEC 17025 DAP-PL-2885.99

**CLD 82 M h**

Gas Analyser for NO<sub>x</sub> or NO

Report Nr. 555720 (December 2005)

Manufacturer:

ECO PHYSICS AG, Duernten, Switzerland

TÜV Süd Industrie Service GmbH is herewith certifying that the analyser CLD 822 M h is in accordance with DIN EN ISO 14956, Jan. 2003 and fulfils QAL1 of EN 14181 for the following range of measurement or for higher ranges:

Component	C <sub>test</sub> (daily emission limit value) mg/ m <sup>3</sup> NO	Range of measurement mg/ m <sup>3</sup> NO	Expanded uncertainty mg/ m <sup>3</sup> NO
NO <sub>x</sub> or NO	33	0-100	6,3

The expanded uncertainty shall not exceed 20 % of the daily emission limit value (6,6 mg/ m<sup>3</sup>).  
The response time was with 134 s lower than the demanded value of 200 s.

The calculation according DIN EN ISO 14956 was performed on the basis of the results of the investigations for report Nr. 555720 (December 2005) for the German suitability test and under consideration of DIN EN 15267-3 draft, August 2005. The following performance characteristics were regarded: response time; lower detection limit; lack of fit; instability/ drift; repeatability; sensitivity to ambient temperature, ambient pressure, voltage supply and gas flow; sample losses, selectivity/ interfering components; uncertainty of calibration gas, response factors

Munich, February 2006

Dr. D. Fiederer

Dr. A. Brandl

Laboratorium Umwelt Service, TÜV Süd Industrie Service GmbH, IS-US3-MUC,  
Westendstrasse 199, D-80686 München