



National Council of Researches



INSTITUTE ON ATMOSPHERIC POLLUTION

TO

UNITEC S.r.l.

Via C. Colombo, 37/E

44100 FERRARA, ITALY

Til I	IIA-CNR-IIA
CERTIFICAT	CI: AMMINISTRAT.
N. 0004997	08/09/2008

Subject: Certification of sensors for the determination of CO, NO₂, C₆H₆, O₃ present inside the multiparametric system ETL3000 for air quality monitoring

Please find enclosed the certification for the determination of CO, NO₂, C₆H₆, O₃ present inside the multiparametric system ETL3000 for air quality monitoring.

THE DIRECTOR
(Dott. Ivo ALLEGRINI)
(signed)

DECLARATION OF CERTIFICATION

SENSORS FOR THE DETERMINATION OF CO, NO₂, C₆H₆, O₃ PRESENT INSIDE THE MULTIPARAMETRIC SYSTEM ETL3000

The Institute on Atmospheric Pollution of the National Council of Researches (hereby called IIA) with address at Via Salaria km 29.300 – c.p. 10 – 00015 Monterotondo Stazione (ROME)

- Having regard to institutive Decree of the IIA as of at the bulletin of CNR n. 1 supplement - part I ordination of 10 June 1968;
- Having regard to Decree of 20 May 1991 “ Criteria for the collection of data regarding air quality”
- Having regard to 6 May 1992 Ministry Decree “ Definition of the National system aimed at the control and assurance of the quality of data of atmospheric pollution received by monitoring networks” art. 4 comma 2 with which the CNR has been appointed with technical functions regarding the national Centre of Atmospheric pollutants (CENIA);
- Having regard to the above mentioned Decree in which, in the annex, are listed the activities regarding the certification or control of equipment, sensors and systems carried out by the National level of CENIA;
- Having regard to qualification of the IIA by the Ministry for the Protection of the



Environment and Territory, dated 7 February 1994, to carry out the operations of accreditation, certification and validation of laboratories, of the equipment and of the procedures regarding the metrology of air quality on behalf of the CENIA;

- Having regard to Ministerial Decree 25 November 1994 “ Update of the technical rules as regards the limits of concentrations and the attention and alarm levels for the atmospherical pollutants in urban areas and disposition for the measurement of some pollutants as of at the Ministerial Decree dated 15 April 1998”;
 - Having regard to Directive 96/62 EC in matter of assessment and management of the environment received by the Law 4 August 1999, n. 351, specifically for the use of other methods for the assessment of ambient air quality;
 - Having regard to new Directive 2008/50/EC of 21 May 2008, on ambient air quality and for a cleaner air in Europe;
 - Analyzed the documents attesting the conformity of the monitoring equipment to the sectorial national and international standards;
 - Having regard to Ministerial Decree of 2 April 2002 Receiving the Directive 1999/30/EC of the Council of 22 April 1999 concerning the limit values of ambient air quality for sulphur dioxide, nitrogen dioxide, nitrogen oxides, particulate and lead and the directive 2000/69/CE concerning the limit values of ambient air quality for benzene and carbon monoxide;
 - Having regard to Annex XI to the above mentioned Decree 60/2002, “Methods of Reference for the evaluation of the levels of Sulphur dioxide, nitrogen dioxide, particulate matter (PM10 and PM2.5), Lead, Benzene and Carbon Monoxide, in particular at point 2 “Equivalence” in which it is established that “Methods and sampling and measuring systems different from those mentioned at paragraph i, both manual and automatic, used for the assessment of ambient air quality referred to : SO₂, NO₂ NO_x, PM₁₀, lead, benzene and carbon monoxide should have the certification of equivalence. In the lack of the issue of the decree as of at article 6, comma 9, of the law 4 August 1999, n. 351, such certification is released, upon request of the manufacturer, by the Primary Reference laboratories for Atmospheric pollution operating at the National Council of Researches and at the ISPESL”.
- in the person of the legal representative, Dott. Ivo Allegrini, Director pro tempore, deliberates as follows:

The Institute on Atmospheric Pollution of the National Council of Researches:

DECLARES

The film sensors for the determination of **CO, NO₂, C₆H₆, O₃** present inside the multiparametric system "ETL3000", suitable to measure **CO, NO₂, C₆H₆, O₃** in atmosphere according to the requirements of the actual laws in the range of concentrations as described in the technical specifications.

The present certification foresees that the operator uses the above mentioned sensors according to the criteria and following the ways written in the instructions manual.

Copy of the manual and of the technical report of certification remain kept at acts at the Institute.

	IIA-CNR-IIA
Tit. I	CI: AMMINISTRAT. CERTIFICAT
N. 0004997	08/09/2008

THE DIRECTOR
(Dott. Ivo ALLEGRINI)
(signed)