

# CONFIRMATION

## German Federal Environmental Agency (UBA)

**Announcement about the uniform practice in  
monitoring emissions and ambient air,  
circular from the Federal Environment Ministry (BMU) of 2009-08-03,  
publication BAnz. 2009-08-25, no. 125, page 2934**

### II. Suitability of measuring equipment for the continuous monitoring of ambient air

With reference to number 3.2 of the announcement of the Bodies, which are responsible for the implementation of the Council Directive 96/62/EG from 27<sup>th</sup> September 1996 on ambient air quality assessment and management from 1<sup>st</sup> October 1998 (BAnz. page 15126) the suitability of the following measuring system is announced on behalf of BMU:

#### 2 Multi component measuring equipment

##### 2.2 airpointer for NO, NO<sub>2</sub>, NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub> and CO

Manufacturer:

recordum Messtechnik GmbH, Mödling

Suitability:

For stationary, continuous measurement of nitrogen oxide, sulphur dioxide, ozone and carbon monoxide in ambient air.

Measuring ranges during the suitability test:

Measurement ranges according to VDI 4202		
Component	MR	Unit
NO <sub>2</sub>	0 - 400	µg/m <sup>3</sup>
SO <sub>2</sub>	0 - 700	µg/m <sup>3</sup>
O <sub>3</sub>	0 - 360	µg/m <sup>3</sup>
CO	0 - 60	mg/m <sup>3</sup>

Measurement ranges according to EN standards		
Component	MR	Unit
NO	0 - 1200	µg/m <sup>3</sup>
NO <sub>2</sub>	0 - 500	µg/m <sup>3</sup>
SO <sub>2</sub>	0 - 1000	µg/m <sup>3</sup>
O <sub>3</sub>	0 - 500	µg/m <sup>3</sup>
CO	0 - 100	mg/m <sup>3</sup>

Software version:

1.001 (analytical module)

Restriction:

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Remark:

see page 2

Test Report:

TÜV Rheinland Immissionsschutz und Energiesysteme GmbH, Köln,  
Report No. 936/21209700/A 2009-01-15

Köln, 2009-09-17

  
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Remark:

The AMS airpointer measures the components NO, NO<sub>2</sub>, NO<sub>x</sub>, SO<sub>2</sub>, O<sub>3</sub> and CO separately.  
Hence, the announcement of suitability includes the following device types:

Product name	Device type	Component 1	Component 2	Component 3	Component 4
airpointer	1000	NO <sub>x</sub>			
airpointer	0100	SO <sub>2</sub>			
airpointer	0010	CO			
airpointer	0001	O <sub>3</sub>			
airpointer	1100	NO <sub>x</sub>	SO <sub>2</sub>		
airpointer	1010	NO <sub>x</sub>	CO		
airpointer	1001	NO <sub>x</sub>	O <sub>3</sub>		
airpointer	0110	SO <sub>2</sub>	CO		
airpointer	0011	CO	O <sub>3</sub>		
airpointer	0101	SO <sub>2</sub>	O <sub>3</sub>		
airpointer	1110	NO <sub>x</sub>	SO <sub>2</sub>	CO	
airpointer	1101	NO <sub>x</sub>	SO <sub>2</sub>	O <sub>3</sub>	
airpointer	1011	NO <sub>x</sub>	CO	O <sub>3</sub>	
airpointer	0111	SO <sub>2</sub>	CO	O <sub>3</sub>	
airpointer	1111	NO <sub>x</sub>	SO <sub>2</sub>	CO	O <sub>3</sub>