

DIN EN ISO 21258:2010-11 (E)

Stationary source emissions - Determination of the mass concentration of dinitrogen monoxide (N₂O) - Reference method: Non-dispersive infrared method (ISO 21258:2010)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols and abbreviated terms	9
5	Principle	10
6	Description of the automated measuring equipment	10
6.1	General	10
6.2	Sampling line components	11
6.3	Analyser equipment	12
6.4	Responsibilities	12
7	Performance criteria and determination of the performance characteristics	13
7.1	Performance criteria	13
7.2	Determination of the performance characteristics and measurement uncertainty	14
7.3	Establishment of the uncertainty budget	14
8	Measurement procedure	15
8.1	Sampling location	15
8.2	Sampling point(s)	15
8.3	Choice of the measuring system	15
8.4	Setting of the analyser on site	16
9	Ongoing quality control	17
9.1	General	17
9.2	Frequency of checks	17
10	Evaluation of the method in the field	18
11	Expression of results	18
12	Test report	19
Annex A (informative) Schematic diagram of a typical analyser		20
Annex B (normative) Procedures for determination of the performance characteristics during the general performance test		21
Annex C (informative) Example of assessment of compliance of NDIR method for N ₂ O with requirements on emission measurements		24
Annex D (informative) Results of comparison tests		31
Annex E (informative) Leak test procedures		34
Bibliography		36