

ISO 14385-2:2014-08 (E)

Stationary source emissions - Greenhouse gases - Part 2: Ongoing quality control of automated measuring systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviations	2
4.1	Symbols	2
4.2	Abbreviations	2
5	Principle	3
5.1	General	3
5.2	Limitations	3
5.3	Measurement site and installation	4
5.4	Testing laboratories performing SRM measurements	4
6	Ongoing quality assurance during operation	4
6.1	General	4
6.2	Procedures to maintain ongoing quality	5
6.3	Choosing control charts	6
6.4	Setting parameters for control charts	6
6.5	Zero and span measurements	8
6.6	Documentation of control charts	9
6.7	Check on validity of measured values	10
7	Annual surveillance test (AST)	10
7.1	Functional test	10
7.2	Parallel measurements with an SRM	10
7.3	Data evaluation	12
7.4	Calculation of variability	13
7.5	Test of variability and validity of the calibration function	13
7.6	AST report	14
8	Documentation	14
Annex A (normative)	AST functional test of AMS	15
Annex B (normative)	Test of linearity	19
Annex C (informative)	Documentation	21
Annex D (informative)	Shewhart control charts	23
Annex E (informative)	Exponentially weighted moving average (EWMA) charts	26
Annex F (informative)	Example of calculation of the standard deviation AMS of the AMS at zero and span level	29
Bibliography		32