

DIN EN 17255-4:2023-12 (E)

Stationary source emissions - Data acquisition and handling systems - Part 4: Specification of requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Symbols and abbreviations	7
5	Installation	7
5.1	Installation requirements	7
5.2	Checking the correct installation	8
5.2.1	General	8
5.2.2	Test requirements	8
5.2.3	Report	9
5.2.4	Competence of testing laboratories	9
6	Quality assurance and quality control during QAL2 of the AMS	9
7	Quality assurance and quality control during on-going operation	9
8	Annual functional test	10
8.1	General	10
8.2	Description of the DAHS	10
8.3	Assignment of input and output signals	10
8.4	Tests	10
8.4.1	Correct setting of parameters	10
8.4.2	Configuration parameters	11
8.4.3	Requirements of regulatory stipulations	11
8.4.4	Remote emission control module	11
8.4.5	System time	11
8.4.6	Conformity of the installation site	11
8.4.7	Data transmission	12
8.4.8	Protection against unauthorized parameter changes	12
8.4.9	Data back-up	12
8.4.10	Additionally required functionality for data transmission	12
8.4.11	Averaging times	12
8.4.12	Processing of plant operation modes	12
8.4.13	Special features of the measured value processing	12
8.4.14	Special requirements for waste incineration	13
8.4.15	Flagging of data for special plant operation modes	13
8.4.16	Reporting	13
8.5	Report	13
9	Documentation	13

Annex A (normative) DAHS documentation	14
A.1 General	14
A.2 Setting-up of the DAHS file	14
A.3 Management of the DAHS file	14
A.4 Composition of the DAHS file	15
A.4.1 Identification record	15
A.4.2 Installation record	15
A.4.3 Follow-up record	16
A.4.4 Configuration record	16
A.4.5 Report on installation	16
A.4.6 Reports on functional tests	16
A.4.7 Report on interventions	16
Annex B (normative) Parameter setting	17
B.1 General	17
B.2 Measured components	17
B.3 Reference quantities and other measurands	17
B.4 Supplementary details on parameter setting	17
B.5 Operating states and modes taken into account by the DAHS	17
Bibliography	18