

# 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

---

<b>Contents</b>		<b>Page</b>
	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

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