

# ISO/TS 13475-2:2000-10 (E)

## Acoustics - Stationary audible warning devices used outdoors - Part 2: Precision methods for determination of sound emission quantities

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Symbols .....</b>	<b>3</b>
<b>5</b>	<b>Measurement methods .....</b>	<b>3</b>
<b>5.1</b>	<b>General .....</b>	<b>3</b>
<b>5.2</b>	<b>Microphone positions .....</b>	<b>3</b>
<b>5.3</b>	<b>Free-field method .....</b>	<b>4</b>
<b>5.4</b>	<b>Measurements in a free field over a reflecting plane .....</b>	<b>4</b>
<b>6</b>	<b>Test conditions .....</b>	<b>7</b>
<b>6.1</b>	<b>Test site qualifications .....</b>	<b>7</b>
<b>6.2</b>	<b>Mounting of apparatus .....</b>	<b>7</b>
<b>6.3</b>	<b>Instrumentation .....</b>	<b>7</b>
<b>6.4</b>	<b>Test procedure .....</b>	<b>8</b>
<b>7</b>	<b>Acoustic characteristics .....</b>	<b>8</b>
<b>7.1</b>	<b>General .....</b>	<b>8</b>
<b>7.2</b>	<b>Test signals .....</b>	<b>8</b>
<b>7.3</b>	<b>Determination of the sound emission quantities .....</b>	<b>10</b>
<b>7.4</b>	<b>Directional characteristics .....</b>	<b>13</b>
<b>7.5</b>	<b>Frequency characteristics .....</b>	<b>13</b>
<b>7.6</b>	<b>Noise from sirens .....</b>	<b>14</b>
<b>7.7</b>	<b>Measurement uncertainty .....</b>	<b>14</b>
<b>7.8</b>	<b>Test signals .....</b>	<b>14</b>
<b>8</b>	<b>Information to be reported .....</b>	<b>14</b>
<b>Annex A (normative) Supply conditions .....</b>		<b>17</b>
<b>Annex B (normative) Calculation of combined expanded uncertainty .....</b>		<b>18</b>
<b>Annex C (normative) Test site qualification procedures .....</b>		<b>20</b>
<b>Bibliography .....</b>		<b>22</b>