<table>
<thead>
<tr>
<th>Basic Specification</th>
<th>LA-1411</th>
<th>LA-1441A</th>
<th>LA-4441A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applying standards</strong></td>
<td>JIS C 1502-1:2013 Class 2</td>
<td>JIS C 1502-2014 Class 2</td>
<td>JIS C 1502-2014 Class 1</td>
</tr>
<tr>
<td><strong>Microphone</strong></td>
<td>High-fidelity miniature condenser type</td>
<td>M-1435 nominal sensitivity level -20dB</td>
<td>M-1235 nominal sensitivity level -20dB</td>
</tr>
<tr>
<td><strong>Linearity range</strong></td>
<td>100 dB (full scale: 100 dB)</td>
<td>80 dB (full scale: 90 dB)</td>
<td>80 dB (full scale: 90 dB)</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>20 Hz to 10 kHz</td>
<td>20 Hz to 10 kHz</td>
<td>20 Hz to 10 kHz</td>
</tr>
<tr>
<td><strong>Frequency weighting</strong></td>
<td>A, C, Z</td>
<td>A, C, Z</td>
<td>A, C, Z</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>20°C to 30°C</td>
<td>20°C to 30°C</td>
<td>20°C to 30°C</td>
</tr>
<tr>
<td><strong>Measurement range</strong></td>
<td>20 to 100 dB</td>
<td>20 to 100 dB</td>
<td>20 to 100 dB</td>
</tr>
<tr>
<td><strong>Measuring time</strong></td>
<td>Manual: 10s, 20s, 30s, 60s</td>
<td>Manual: 10s, 20s, 30s, 60s</td>
<td>Manual: 10s, 20s, 30s, 60s</td>
</tr>
<tr>
<td><strong>Internal reference signal</strong></td>
<td>1 kHz tone (100mV)</td>
<td>1 kHz tone (100mV)</td>
<td>1 kHz tone (100mV)</td>
</tr>
<tr>
<td><strong>Sound level meter display and knobs</strong></td>
<td>LCD</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td><strong>Memory function</strong></td>
<td>Manual</td>
<td>Manual</td>
<td>Manual</td>
</tr>
<tr>
<td><strong>External control input</strong></td>
<td>Operation: Toggle operation of Start/Stop &amp; memory</td>
<td>Operation: Toggle operation of Start/Stop &amp; memory</td>
<td>Operation: Toggle operation of Start/Stop &amp; memory</td>
</tr>
<tr>
<td><strong>Compressor function</strong></td>
<td>Comparison level: Set to 40.0 to 130.0 dB (in increments of 0.1dB)</td>
<td>Comparison measurement: Hi/Low level</td>
<td>Comparison measurement: Hi/Low level</td>
</tr>
<tr>
<td><strong>USB function</strong></td>
<td>Control of display and data output, to an exclusive printer (DF-414/414A)</td>
<td>Control of display and data output, to an exclusive printer (DF-414/414A)</td>
<td>Control of display and data output, to an exclusive printer (DF-414/414A)</td>
</tr>
<tr>
<td><strong>Print function</strong></td>
<td>Menu: Measurement values, start time, stop time of measurement, actual measurement time, frequency weighting, line weighting</td>
<td>Menu: Measurement values, start time, stop time of measurement, actual measurement time, frequency weighting, line weighting</td>
<td>Menu: Measurement values, start time, stop time of measurement, actual measurement time, frequency weighting, line weighting</td>
</tr>
<tr>
<td><strong>Print function</strong></td>
<td>Menu: Measurement values, start time, stop time of measurement, actual measurement time, frequency weighting, line weighting</td>
<td>Menu: Measurement values, start time, stop time of measurement, actual measurement time, frequency weighting, line weighting</td>
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</tr>
</tbody>
</table>

* The table is subject to change without prior notice.

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**Achieved the ease of use and high-performance measurement**

#### LA-1411/4441A/4441A

**Sound Level Meter**

**Class 2 / Class 1**

**LA-1411**

(Class 2)

**LA-1441A**

(Class 2)

**LA-4441A**

(Class 1)

---

**LA-1411**

**LA-1441A**

**LA-4441A**

**Sound Level Meter**

**Class 2 / Class 1**

---

**Achieved the ease of use and high-performance measurement**

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**LA-1411**

(Class 2)

**LA-1441A**

(Class 2)

**LA-4441A**

(Class 1)
Sound Level Meter

LA-1411 / 441A / 4441A provides full support for on-site measurement with versatile functions. LA-1411 / 441A / 4441A series Class1/Class2 Sound Level Meters conform to the requirements by the latest standard of IEC / JIS. And also they are designed to focus on field measurement in pursuing of easy operation and cost-effectiveness. All models can measure 14 items simultaneously including Leq, which is popularly used in sound measurement, and have a wide linearity range of 100 dB. Setting can be made with easy-to-follow menu. Depending on applications including work environment measurement, machine and product noise analyses, you can choose suitable model which meets your needs.

Easy-to-follow setting menu without referring to the manual

Each model has simply classified hierarchical structure. Easy-to-follow setting menu leads to complete each setting by selecting menu items with just [+] and [ENTER] keys.

Microphone can be used away from main unit by BNC cable

Exclusive coaxial cable is used as an extension cable between microphone and a main unit. Coaxial cable makes extension of measurement cables easier with small code reel. Even you need to measure with 100 m extension cable, you can perform without annoyance of heavy multicoax cable.

Data output function

Exclusive coaxial cable is used as an extension cable between microphone and a main unit. Coaxial cable makes extension of measurement cables easier with small code reel. Even you need to measure with 100 m extension cable, you can perform without annoyance of heavy multicoax cable.

Easy-to-follow setting menu without referring to the manual

Each model has simply classified hierarchical structure. Easy-to-follow setting menu leads to complete each setting by selecting menu items with just [+] and [ENTER] keys.

Displaying sound pressure level with A-weighting, AC output with Z-weighting

Not only the measurement of level in the field, but also recording data (time waveform) is required in order to analyze noise and sound in details. LA-1411 / 441A / 4441A enable to output signal with A-weighting and output signal with Z-weighting from analog output connector during displaying and measuring sound level with A-weighting in main unit. With this unit, it is possible to output a signal with a weighting different from the weighting of the sound level displayed on the main unit screen. That is, they can output signal with flat weighting from analog output connector during displaying the measured sound level with A-weighting in a screen on the main unit.

Auto memory function and Lr recording function (LA-145A / 445A)

The LA-145A / 445A have Auto memory function which automatically stores the data to the specified measurement time. Also the sound level with time weighting (Lr) is stored at 1 minute interval (Lr recording function). This function enables to check the fluctuation of sound level in short time.

Resume function to activate with same settings as last time

Same as existing LA series, measurement conditions just before being powered OFF are automatically saved. Measurement can be started again quickly with previous measurement conditions (Resume function). The LA series can have 9 condition memories and able to store the measurement condition as required by each situation. Presetting the measurement conditions not only makes it smooth to restart measurement but also prevents from setting error in the field.

Easy data transfer and remote control (LA-1441A / 4441A), (required software: user preparation)

Communications via RS-232C and USB enable to transfer the measurement result to a PC and remote control of LA-1441A / 4441A main unit with software (user preparation).

Sound Level Meter Function Table

<table>
<thead>
<tr>
<th>Function</th>
<th>LA-4441A</th>
<th>LA-1411/441A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic function</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Data output</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Auto memory function</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Lr recording function</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Resume function</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Remote control</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>RS-232C output</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>USB output</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Data output function</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Multi-condition measurement</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Class1/Class2 measurement</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Class1 measurement</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Class2 measurement</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Re-measurement by setting menu</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Error管理人员 by error menu</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

*Sound pressure level from 30 to 130 dB is measured at the range of 40 to 100 dB.

- [ ] Provided as a standard
- [ ] Provided as an option
- [ ] Sold separately

LA-1411 / 1441A / 4441A provides full support for on-site measurement with versatile functions. LA-1411 / 1441A / 4441A series Class1/Class2 Sound Level Meters conform to the requirements by the latest standard of IEC / JIS. And also they are designed to focus on field measurement in pursuing of easy operation and cost-effectiveness. All models can measure 14 items simultaneously including Leq, which is popularly used in sound measurement, and have a wide linearity range of 100 dB. Setting can be made with easy-to-follow menu. Depending on applications including work environment measurement, machine and product noise analyses, you can choose suitable model which meets your needs.

Easy-to-follow setting menu without referring to the manual

Each model has simply classified hierarchical structure. Easy-to-follow setting menu leads to complete each setting by selecting menu items with just [+] and [ENTER] keys.

Microphone can be used away from main unit by BNC cable

Exclusive coaxial cable is used as an extension cable between microphone and a main unit. Coaxial cable makes extension of measurement cables easier with small code reel. Even you need to measure with 100 m extension cable, you can perform without annoyance of heavy multicoax cable.

Data output function

Exclusive coaxial cable is used as an extension cable between microphone and a main unit. Coaxial cable makes extension of measurement cables easier with small code reel. Even you need to measure with 100 m extension cable, you can perform without annoyance of heavy multicoax cable.

Easy-to-follow setting menu without referring to the manual

Each model has simply classified hierarchical structure. Easy-to-follow setting menu leads to complete each setting by selecting menu items with just [+] and [ENTER] keys.

Displaying sound pressure level with A-weighting, AC output with Z-weighting

Not only the measurement of level in the field, but also recording data (time waveform) is required in order to analyze noise and sound in details. LA-1411 / 441A / 4441A enable to output signal with A-weighting and output signal with Z-weighting from analog output connector during displaying and measuring sound level with A-weighting in main unit. With this unit, it is possible to output a signal with a weighting different from the weighting of the sound level displayed on the main unit screen. That is, they can output signal with flat weighting from analog output connector during displaying the measured sound level with A-weighting in a screen on the main unit.

Auto memory function and Lr recording function (LA-145A / 445A)

The LA-145A / 445A have Auto memory function which automatically stores the data to the specified measurement time. Also the sound level with time weighting (Lr) is stored at 1 minute interval (Lr recording function). This function enables to check the fluctuation of sound level in short time.

Resume function to activate with same settings as last time

Same as existing LA series, measurement conditions just before being powered OFF are automatically saved. Measurement can be started again quickly with previous measurement conditions (Resume function). The LA series can have 9 condition memories and able to store the measurement condition as required by each situation. Presetting the measurement conditions not only makes it smooth to restart measurement but also prevents from setting error in the field.

Easy data transfer and remote control (LA-1441A / 4441A), (required software: user preparation)

Communications via RS-232C and USB enable to transfer the measurement result to a PC and remote control of LA-1441A / 4441A main unit with software (user preparation).
Sound Level Meter LA-441A / 4414A / 4441A provides full support for on-site measurement with versatile functions.

LA-441A / 4414A / 4441A series class 1 CLASS Sound Level Meters conform to the requirements of the latest standard of IEC / JIS. And also they are designed to focus on field measurement in pursuing of easy operation and cost-effectiveness. All models can measure 14 items simultaneously including Leq, which is popularly used in sound measurement, and have a wide linear range of from 0 to 130 dB.

Setting can be made with easy-to-follow menu. Depending on applications including environment measurement, machine and product noise measurement, you can choose suitable model which meets your needs.

### Easy-to-follow setting menu without referring to the manual

Each model has simply classified hierarchical structure. Easy-to-follow setting menu leads to complete each setting by selecting menu items with just [+] and [ENTER] keys.

### Microphone can be used away from main unit by BNC cable

Exclusive coaxial cable is used as an extension cable between microphone and a main unit. Coaxial cable makes extension of measurement cables easier with small code reel. Even you need to measure with 100 m extension cable, you can perform without annoyance as heavy multicore cable.

### Displaying sound pressure level with A-weighting, AC output with Z-weighting

Not only the measurement of level in the field, but also recording data (time waveform) is required in order to analyze noise and sound in details. LA-441A / 4414A / 4441A enable to output signal with Z-weighting from analog output connector during displaying and measuring sound level with A-weighting in main unit.

With this unit, it is possible to output a signal with a weighting different from the weighting of the sound level displayed on the main unit screen.

### Auto memory function and Lf recording function

The LA-441A / 4414A / 4441A have Auto memory function which automatically stores the data to the specified measurement. Also the sound level with time weighting (Lp) is stored at 1 min interval (Lp recording function). This function enables to check the fluctuation of sound level in short time.

### Resume function to activate with same settings as last time

Same as existing LA series, measurement conditions just before being powered OFF are automatically saved. Measurement can be started again quickly with previous measurement conditions (Resume function). The LA series can have 9 condition memories and able to store the measurement condition as required by each situation. Presetting the measurement conditions not only makes it smooth to restart measurement but also prevents from setting error in the field.

### Easy data transfer and remote control (LA-1414A / 4414A, required software for user preparation)

Communications via RS-232C and USB enable to transfer the measurement result to a PC and remote control of LA-1414A / 4414A main unit with software (user preparation).

### Sound Level Meter Function Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Full scale</th>
<th>Frequency weighting</th>
<th>Time weighting</th>
<th>Reference pressure</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA-441A / 4414A / 4441A</td>
<td>100 dB</td>
<td>A</td>
<td>Lf</td>
<td>90 dB</td>
<td>Class 1</td>
</tr>
<tr>
<td>LA-441A / 4414A / 4441A</td>
<td>100 dB</td>
<td>A</td>
<td>Lf</td>
<td>90 dB</td>
<td>Class 2</td>
</tr>
</tbody>
</table>

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**AC adapter** (PS-7070): Sold separately

**Led Windscreen** (LA-0203D / 0201): Windscreen

**Windscreen** (LA-0207A+LA-0208A): Windscreen

**Sound Level Meter** (LA-441A / 4414A / 4441A): Sold separately

**Extension cable** (RS-232C): Sold separately

**Printer** (DPU-414): Sold separately
### Basic Specification

<table>
<thead>
<tr>
<th>LA-1411</th>
<th>LA-1441A</th>
<th>LA-4441A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applying standards</td>
<td>JIS C 1516-2013 Class 2</td>
<td>JIS C 1516-2013 Class 3</td>
</tr>
<tr>
<td>Microphone</td>
<td>1/2” Electret condenser type</td>
<td>1/2” Electret condenser type (EM-1433)</td>
</tr>
<tr>
<td>Pre-amplifier</td>
<td>EM-1433</td>
<td>EM-1433</td>
</tr>
<tr>
<td>Linearity range</td>
<td>100 dB (20 Hz to 20 kHz)</td>
<td>100 dB (20 Hz to 20 kHz)</td>
</tr>
<tr>
<td>Frequency range</td>
<td>20 Hz to 120 kHz</td>
<td>20 Hz to 120 kHz</td>
</tr>
<tr>
<td>Internal noise</td>
<td>A: 2±25 dB A (20 Hz to 20 kHz)</td>
<td>A: 2±25 dB A (20 Hz to 20 kHz)</td>
</tr>
<tr>
<td>Frequency weighting</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Time weighting</td>
<td>Fast, slow, true-weight</td>
<td>Fast, slow, true-weight</td>
</tr>
<tr>
<td>Measurement range</td>
<td>20 Hz to 120 kHz</td>
<td>20 Hz to 120 kHz</td>
</tr>
<tr>
<td>Display device</td>
<td>Sound pressure level display, and LCD display (7 digits)</td>
<td>Sound pressure level display, and LCD display (7 digits)</td>
</tr>
<tr>
<td>External control input</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Digital function (LA-2414 optional)</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Power supply</td>
<td>5V DC, 0.5W</td>
<td>5V DC, 0.5W</td>
</tr>
<tr>
<td>Print function</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Accessories</td>
<td>Window screen (270mm x 1), carrying case x 1, hand strap x 1, data AA battery cell x 2pcs. Instruction Manual(CD), simple operation guide</td>
<td>Window screen (270mm x 1), carrying case x 1, hand strap x 1, data AA battery cell x 2pcs. Instruction Manual(CD), simple operation guide</td>
</tr>
</tbody>
</table>

*Outer appearance and specifications are subject to change without prior notice.*

**Achieved the ease of use and high-performance measurement**

**Sound Level Meter**

**Class 2 / Class 1**

**LA-1411/1441A/4441A**

**LA-1411** (Class 2)

**LA-1441A** (Class 2)

**LA-4441A** (Class 1)

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**LA-1411**

**LA-1441A**

**LA-4441A**

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**Sound Level Meter**

**LA-1411**

**LA-1441A**

**LA-4441A**

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**Basic Specification**

**Applying standards**

<table>
<thead>
<tr>
<th>Standard</th>
<th>LA-1411</th>
<th>LA-1441A</th>
<th>LA-4441A</th>
</tr>
</thead>
<tbody>
<tr>
<td>JIS C 1516-2013 Class 2</td>
<td>JIS C 1516-2013 Class 3</td>
<td>JIS C 1516-2013 Class 1</td>
<td></td>
</tr>
</tbody>
</table>

**Microphone**

1/2” Electret condenser type (EM-1433)

**Pre-amplifier**

EM-1433

**Linearity range**

100 dB (20 Hz to 20 kHz)

**Frequency range**

20 Hz to 120 kHz

**Internal noise**

A: 2±25 dB A (20 Hz to 20 kHz)

**Frequency weighting**

A, B, C

**Time weighting**

Fast, slow, true-weight

**Measurement range**

20 Hz to 120 kHz

**Sound pressure level**

Manual, direct reading (10 dB steps)

**Start mode**

Manual

**Display device**

Sound pressure level display, and LCD display (7 digits)

**External control input**

–

**Digital function (LA-2414 optional)**

–

**Power supply**

5V DC, 0.5W

**Print function**

–

**Accessories**

Window screen (270mm x 1), carrying case x 1, hand strap x 1, data AA battery cell x 2pcs. Instruction Manual(CD), simple operation guide.