### Basic Specification

<table>
<thead>
<tr>
<th>LA-1411</th>
<th>LA-1441</th>
<th>LA-4441</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applying standards</strong></td>
<td>JIS C 1516:2008 Class 2</td>
<td>JIS C 1516:2008 Class 2</td>
</tr>
<tr>
<td><strong>Microphone</strong></td>
<td>Electret condenser type</td>
<td>Electret condenser type</td>
</tr>
<tr>
<td><strong>Class</strong></td>
<td>Class 2</td>
<td>Class 2</td>
</tr>
<tr>
<td><strong>Linear range</strong></td>
<td>1411: 80 to 125 dB(A), 80 to 105 dB(C)</td>
<td>80 to 125 dB(A), 80 to 105 dB(C)</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>1411: 20 to 16000 Hz, 20 to 16000 Hz</td>
<td>20 to 16000 Hz, 20 to 16000 Hz</td>
</tr>
<tr>
<td><strong>Frequency weighting</strong></td>
<td>A, C</td>
<td>A, C</td>
</tr>
<tr>
<td><strong>Internal noise</strong></td>
<td>1411: 20 dB, C: 25 dB (max.)</td>
<td>1411: 20 dB, C: 25 dB (max.)</td>
</tr>
<tr>
<td><strong>Recallable sound level</strong></td>
<td>902: LCD display</td>
<td>902: LCD display</td>
</tr>
<tr>
<td><strong>Display device</strong></td>
<td>LCD display</td>
<td>LCD display</td>
</tr>
<tr>
<td><strong>Memory function</strong></td>
<td>1000 data blocks, data can be saved in 2 memory locations</td>
<td>1000 data blocks, data can be saved in 2 memory locations</td>
</tr>
<tr>
<td><strong>Analog output</strong></td>
<td>0 to 5V, 4 to 20mA</td>
<td>0 to 5V, 4 to 20mA</td>
</tr>
<tr>
<td><strong>External control input</strong></td>
<td>Operation: Frontal operation of device / front panel operation</td>
<td>Operation: Frontal operation of device / front panel operation</td>
</tr>
<tr>
<td><strong>Operator function (LA-241) option</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Print function</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>20 hours</td>
<td>20 hours</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Specifications are subject to change without prior notice.*

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

- Ono Sokki Sound Level Meters are designed to meet the needs of sound level measurement, offering a combination of performance and ease of use. With a wide range of features and options, these instruments are ideal for a variety of applications.

**LA-1411/1441/4441**

- **Sound Level Meter**
- **Class 2 / Class 1**
- **Achieved the ease of use and high-performance measurement**

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

**LA-1411 (Class 2) / LA-1441 (Class 2) / LA-4441 (Class 1)**
LA-1411 / 1441 / 4441 provides full support for on-site measurement with versatile functions. LA-1411 / 1441 / 4441 series Class1 / Class2 Sound Level Meters conform to the latest standards of IEC / JIS. All models are designed to focus on field measurement in pursuit 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 can be operated with easy-to-follow setting menu, with just [ ] and [ENTER] keys. Simply classified hierarchic structure leads to complete each setting by selecting menu items. Detailed settings including measurement conditions and selection of output signals can be made even though you do not have manual with you.

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

Exclusive coaxial cable is selected as an extension cable between microphone and main unit. Using coaxial cable makes measurement of extension easier with miniature type coaxial. Even 100 m extension measurement can be performed without annoyance of heavy muffles 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 in the past sound level measurement, it needed troubleless procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time. So, A-weighted level had to be measured by sound level meter without frequency weighting, and then calculated and recorded at the same time by analyzer. This would need two expensive instruments. LA-1411 / 1441 / 4441 enable to output signal with flat Z-weighting from outputing connector during displaying and measuring sound level with A-weighting in main unit.

**Auto memory function and L recording function (LA-1441 / 4441)**

The LA-1441 / 4441 have Auto memory function which automatically store the data to the specified measurement time. Also the sound level with time weighting (Lp) is stored in 1 ms 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 also have 9 condition memories and able to store each measurement condition as required by circumstances. 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-1441 / 4441) (required software: user preparation)**

Communications via RS-232C and USB enable to transfer the measurement result to a PC and remote control of LA-1411 / 4441 main unit with software (user preparation).

### Sound Level Meter Function Table

<table>
<thead>
<tr>
<th>Sound Level Meter Function</th>
<th>LA-4441</th>
<th>LA-1411 / 1441</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC adapter</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>PB-7090</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input voltage</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Output voltage</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Input current</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Output current</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lp (A-weighting)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lp (Z-weighting)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lp (DC-A)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lp (DC-Z)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>LA-4441</th>
<th>LA-1411 / 1441</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal output cable (LA-1441 / 4441)</td>
<td></td>
<td>sold separately</td>
</tr>
<tr>
<td>Cable for AC / DC signal output, comparator output, and external control signal input</td>
<td></td>
<td>sold separately</td>
</tr>
<tr>
<td>Extension cable</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>Laser Printer</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>Thermal Printer with USB connector</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
</tbody>
</table>

### Sound Level Meter Tripod

LA-8100 series (coaxial type)

- WP-100 tripod (2 m)
- WP-200 tripod (3 m)
- WP-300 tripod (5 m)
- WP-400 tripod (10 m)
- WP-500 tripod (20 m)

### Sound Level Meter Main Unit

<table>
<thead>
<tr>
<th>Model</th>
<th>LA-4441</th>
<th>LA-1411 / 1441</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessories</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Printer</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>Laser Printer</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>Thermal Printer with USB connector</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
</tbody>
</table>

### Sound Level Meter Measurement Function Table

<table>
<thead>
<tr>
<th>Measurement Function</th>
<th>LA-4441</th>
<th>LA-1411 / 1441</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-weighting</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>DC-A</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
<tr>
<td>DC-Z</td>
<td>sold separately</td>
<td>sold separately</td>
</tr>
</tbody>
</table>

### Sound Level Meter Specifications

**Sound Level Meter LA-4441:**

- **Class:** Class 1 or 1/C calibrator
- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.

**Sound Level Meter LA-1411:**

- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.

**Sound Level Meter LA-1441:**

- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
  - Z-weighted sound pressure level at the same time
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  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.

**Sound Level Meter LA-1411 / 1441 / 4441:**

- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.

**Sound Level Meter LA-1411 / 1441 / 4441:**

- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.

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  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
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  - Z-weighted sound pressure level at the same time
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- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
  - Measuring the noise level within 1 ms interval
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- **Features:**
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- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
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- **Features:**
  - A-weighting, DC output
  - AC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting), or DC-Z (fixed to Z-weighting) from analog output connector during displaying and measuring
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  - Z-weighted sound pressure level at the same time
  - Sound level had to be measured in the past procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time.
Sound Level Meter

LA-1441 / LA-1411 / 4441 provides full support for on-site measurement with versatile functions. LA-1441 / 1411 / 4441 Series cl;ass I/II Sound Level Meters conform to the requirements of IEC 61672. 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 manual

Each model can be operated with easy-to-follow menu, with just [+] and [ENTER] keys. Simply classified hierarchic structure leads to complete each setting by selecting menu items. Detailed settings including measurement conditions and selection of output signals can be made even though you do not have manual with you.

Microphone can be used away from main unit by BNC cable

Exclusive coaxial cable is selected as an extension cable between microphone and main unit. Using coaxial cable makes measurement of extension easier with anti-tangle code real. Even 100 m extension measurement can be performed without annoyance of heavy muffler 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 in the past sound level measurement. It needed troublesome procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time. So, sound level had to be measured by sound level meter without frequency weighting, and then calculated and recorded at the same time by analyzer. This would be more expensive. LA-1411 / 1441 / 4441 enable to output signal with flat weighting from extended output connector during displaying and measuring sound level with A-weighting in main unit.

Auto memory function and L recording function (LA-1441 / 4441)

The LA-1441 / 4441 have Auto memory function which automatically store the data to the specified measurement time. Also the sound level with time weighting (Lp) is stored in 1 ms 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 quickly with previous measurement conditions (Resume function). The LA series also have 9 condition memories and able to store each again quickly with previous measurement conditions (Resume function). Setting can be made even though you do not have manual with you.

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

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

Sound Level Meter Function Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Function</th>
<th>Requirement</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA-1441</td>
<td>-</td>
<td>Standard accessory</td>
<td></td>
</tr>
<tr>
<td>LA-1411</td>
<td>-</td>
<td>Standard accessory</td>
<td></td>
</tr>
<tr>
<td>LA-4441</td>
<td>-</td>
<td>Standard accessory</td>
<td></td>
</tr>
</tbody>
</table>

LA-1441 / 1411 / 4441 can measure 14 measurement items simultaneously. No need by selecting measurement item to before measurement, no error by miss-setting. Only one pressing of START button is required to start meaurement. All results of measurement items can be checked with several pressings of DISPLAY (abbreviation of DISPLAY) button after measurement. 14 measurement items can be checked with several pressings of DISP button after measurement.

Multitudes of measurement items

LA-1411 / 4441 can feature a wide linearity range of 100 dB and can measure the sound pressure level from 30 to 130 dB in one range*. It works effectively in the measurement of unpredictable or large fluctuation in sound level.

Wide linearity of 100dB without adjusting level range

Re-measurement is not necessary for over / under-range. LA-1411 / 4441 / 4441 feature a wide linearity range of 100 dB and can measure the sound pressure level from 30 to 130 dB in one range*. It works effectively in the measurement of unpredictable or large fluctuation in sound level.

Sound pressure level from 30 to 130dB can be measured at the range of 40 to 120dB.

All-weather Windscreen

LA-2007 / LA-2008

In measurement where the microphone is exposed to the wind, the windscreen must be used for protection. This screen reduces noise caused by the wind in performing sound level measurement outdoors, and prevents the microphone from being damaged by rain or snow.

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 in the past sound level measurement. It needed troublesome procedure to measure the A-weighted sound pressure level and record the Z-weighted sound pressure level at the same time. So, sound level had to be measured by sound level meter without frequency weighting, and then calculated and recorded at the same time by analyzer. This would be more expensive. LA-1411 / 1441 / 4441 enable to output signal with flat weighting from extended output connector during displaying and measuring sound level with A-weighting in main unit.

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