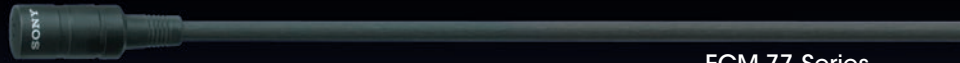




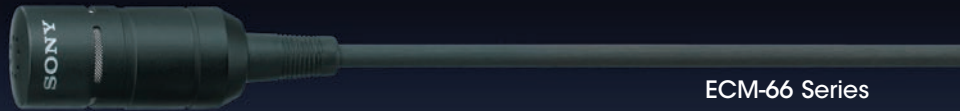
ECM-88 Series



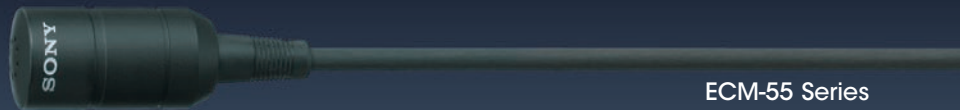
ECM-88FPT



ECM-77 Series



ECM-66 Series



ECM-55 Series



ECM-44 Series



ECM-166 Series



ECM-V1BMP



ECM-X7BMP

Actual size

# Sony Lavalier Microphones

# Sony is a leading provider of professional lavalier microphones.

The ECM-50, Sony's first lavalier microphone released in 1969, was an epoch-making product that achieved a perfect balance between compact size and excellent performance. The ECM-50 led on to the development of the broadcast-standard ECM-30, a smaller and less expensive lavalier released a few years later.

More than four decades on, Sony is still one of the leaders in the lavalier microphone market with nine models and 21 variations, including the ECM-55 which is the successor of the legendary ECM-50, and the ECM-44 which is the successor of the ECM-30.

Sony's ECM-88 is a series of ultra-miniature, omni-directional lavalier microphones, whose performance is highly acclaimed within broadcast, production, and theatrical circles. The ECM-77 is also very well regarded, especially by broadcasters. The ECM-66 is another top-of-the-line model with uni-directional directivity, which provides good isolation and resistance to feedback.

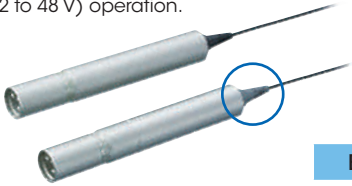

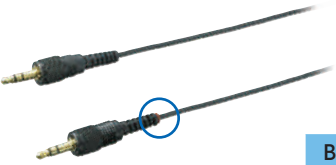


Sony is also a leading provider of the digital wireless microphone system\*1. Recently, the ECM-66, ECM-55, and ECM-44 series have been qualified for use with digital wireless by enhancing the capsule shielding to reduce radio frequency interference susceptibility, as well as the ECM-77 series\*2. In addition to superb sound quality, digital transmission offers various advantages such as stable transmission and a more flexible channel plan.

The lavalier microphones from Sony make an ideal choice for virtually all quality-conscious sound-gathering applications, such as public address, ENG/EFP, studio, theater, and use with musical instruments.

\*1 The digital wireless microphone system is not available in some countries.

\*2 Digital wireless system requires use of the /9X version lavalier microphones. The ECM-77, ECM-66, ECM-55, and ECM-44 series have already been switched to the /9X version.

## VARIATION OF THE INTERFACE

| B type *3  | BC type  | BMP type  |            |            |            |            |            |
|--|--|---|------------|------------|------------|------------|------------|
| <p>Supplied with an in-line battery unit, or a DC-78 DC power supply unit. Two-way powering possible - internal AA-size (LR6) alkaline-battery operation or external DC (12 to 48 V) operation.</p>  <p style="text-align: right;"><b>B</b></p> | <p>Supplied with a Sony 4-pin connector (SMC9-4P), for use with the WRT-8B/822A/822B, UHF-synthesized transmitter, or DWT-B01 bodypack transmitter.</p>  <p style="text-align: right;"><b>BC</b></p>        | <p>Supplied with a 3-pole locking mini plug for use with the bodypack transmitter included in the UWP series.</p>  <p style="text-align: right;"><b>BMP</b></p>  |            |            |            |            |            |
| <p><b>BPT type *4 *5</b></p> <p>Supplied without a connector (pigtail), enabling users to choose connectors according to their transmitter.</p>  <p style="text-align: right;"><b>BPT</b></p>   | <p><b>FPT type</b></p> <p>Beige-colored model supplied without a connector (pigtail), enabling users to choose connectors according to their transmitter.</p>  <p style="text-align: right;"><b>FPT</b></p> | <p>Note: /9X version shown (bottom microphone image in each box ) includes a different color strain relief at the top of the connector.</p> <p>Legend:</p> <table border="1" data-bbox="1036 1745 1446 1780"> <tr> <td><b>B</b></td> <td><b>BC</b></td> <td><b>BMP</b></td> <td><b>BPT</b></td> <td><b>FPT</b></td> </tr> </table> <p>Type of applicable interface.</p> <p><b>/9X</b></p> <p>Digital wireless model</p> | <b>B</b>   | <b>BC</b>  | <b>BMP</b> | <b>BPT</b> | <b>FPT</b> |
| <b>B</b>   | <b>BC</b>  | <b>BMP</b>  | <b>BPT</b> | <b>FPT</b> |            |            |            |

\*3 ECM-44B does not support external DC operation.

\*4 There is no difference in appearance between the conventional BPT type and "/9X" BPT type.

\*5 Radio-frequency interference from the digital wireless system may occur if the self-prepared connector has not been grounded sufficiently.

# Product Description

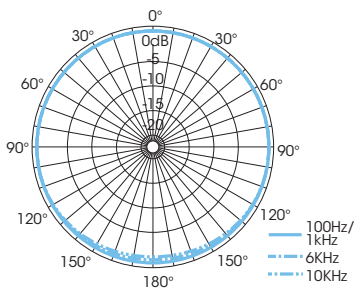
## ECM-88 series



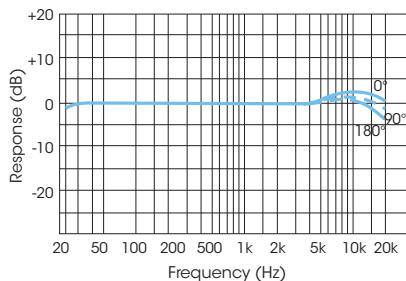
**B** **BC** **BMP** **BPT** **FPT**

### FEATURES

- Ultra-miniature, omni-directional electret condenser microphone.
- Designed for quality-critical applications in broadcasting, theater, and field productions.
- Choice of model variations to suit specific user requirements.
- Flat-and-wide frequency response provides natural sound reproduction.
- Water-resistant design maintains sound clarity in almost any application or environment.
- Dual-diaphragm mechanism contributes to high sensitivity, wide dynamic range, and low noise.
- Low cable-noise characteristics.
- Miniature design makes it easy to conceal in a stage costume.



Directivity Characteristics



Frequency Response Characteristics

## ECM-77 series

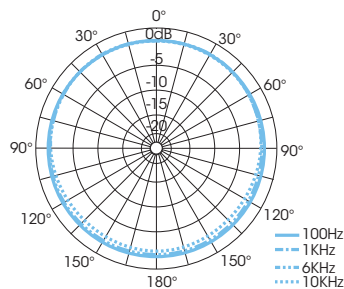
**/9X**



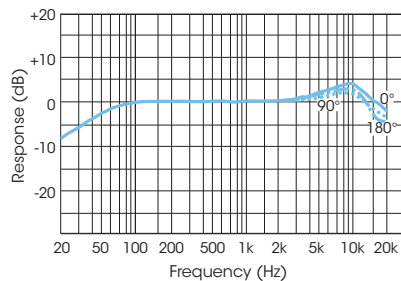
**B** **BC** **BMP** **BPT** **FPT**

### FEATURES

- Miniature, omni-directional electret condenser microphone.
- Performance and reliability in studio, ENG, and EFP applications.
- Choice of model variations to suit specific user requirements.
- Wide frequency response, high sensitivity, and low-noise characteristics.
- Miniature design makes it easy to conceal.
- Ideal for use with DWT-B01.



Directivity Characteristics



Frequency Response Characteristics

## ECM-66 series

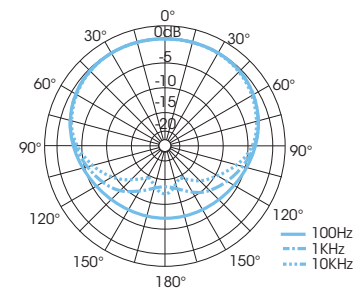
**/9X**



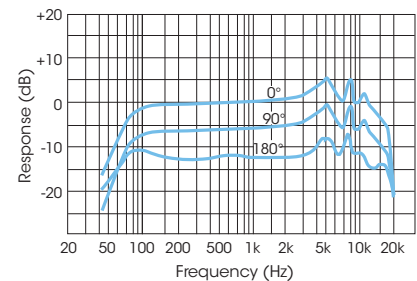
**B** **BC** **BMP** **BPT** **FPT**

### FEATURES

- Uni-directional, electret condenser microphone.
- Resistant to howling by rejecting indirect sound.
- Ideal for institutional use and sound-contracting applications such as speeches, lectures, and conferences.
- Designed for a wide range of applications from voice to instrumental recording.
- Wide dynamic range (101 dB), and high maximum input-sound-pressure level (130 dB SPL).
- Low inherent-noise characteristics.



Directivity Characteristics



Frequency Response Characteristics

# Product Description

## ECM-55 series

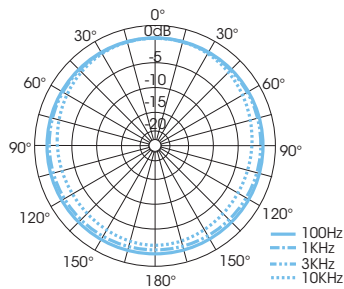
/9X



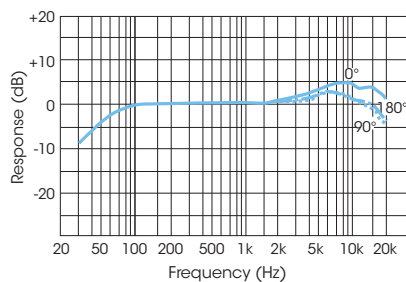
**B** BC BMP BPT FPT

### FEATURES

- Omni-directional, electret condenser microphone.
- High signal-to-noise ratio and low inherent-noise characteristics.
- Large microphone head of 10.6 mm (7/16 inch) diameter offers rich sound reproduction.
- Successor to the ECM-50 microphone, the world's first electret condenser lavalier microphone.



Directivity Characteristics



Frequency Response Characteristics

## ECM-44 series

/9X

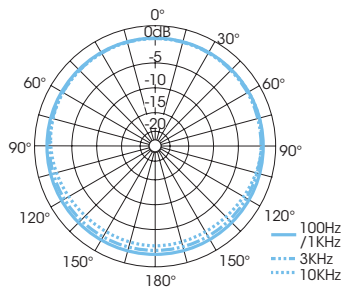


**B** BC BMP BPT FPT

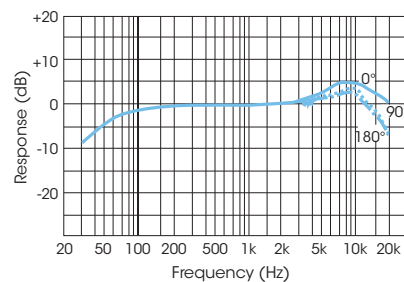
### FEATURES

- Omni-directional, electret condenser microphone.
- Choice of model variations to suit specific user requirements.
- Cost-effective miniature microphone provides superb sound quality.

ECM-44B does not support external DC operation.



Directivity Characteristics



Frequency Response Characteristics

## ECM-166 series



**B** **BC** BMP BPT FPT

### FEATURES

- Uni-directional, electret condenser microphone.
- Resistant to howling by rejecting indirect sound.
- Reasonably priced lavalier microphone, ideal for institutional use and sound-contracting applications such as speeches, lectures, and conferences.

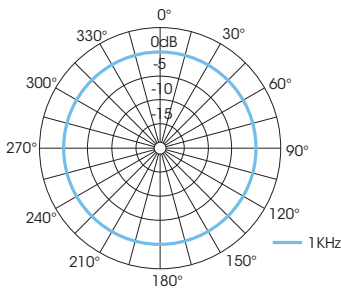
## ECM-V1BMP



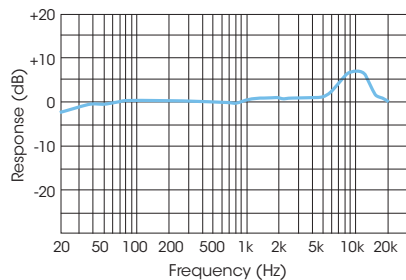
B BC **BMP** BPT FPT

### FEATURES

- The lavalier microphone supplied with the UWP package is available as an individual microphone.
- Omni-directional, electret condenser microphone.
- Reasonably priced lavalier microphone, ideal for ENG and EFP uses.



Directivity Characteristics



Frequency Response Characteristics

\* The characteristics are measured as UTX-B2V.

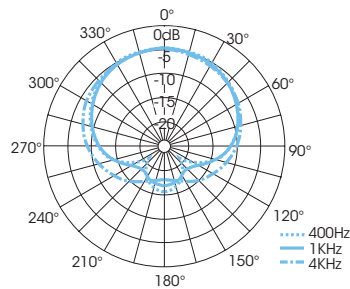
## ECM-X7BMP



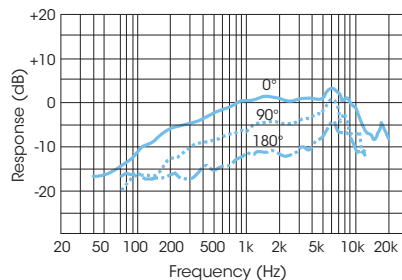
B BC **BMP** BPT FPT

### FEATURES

- The lavalier microphone supplied with the UWP package is available as an individual microphone.
- Uni-directional, electret condenser microphone.
- Resistant to howling by rejecting indirect sound.
- Reasonably priced lavalier microphone, ideal for institutional use and sound-contracting applications such as speeches, lectures, and conferences.



Directivity Characteristics



Frequency Response Characteristics

\* The characteristics are measured as UTX-B2X.

## ECM-322 series



B **BC** **BMP** BPT FPT

### FEATURES

- Omni-directional, electret condenser microphone.
- Headset microphone, ideal for a variety of multimedia presentation applications ranging from seminars and conferences to lectures and workshops.
- Ear-clip-style design, wearable on either the left or right ear.
- The position of the microphone is adjustable.
- With the adjustable soft-texture ear hook and detachable headband, the headset microphone is comfortable to wear and fits stably on the ear, even during lengthy presentations.



# SPECIFICATIONS

|  |                             | ECM-88 Series  | ECM-77 Series   | ECM-66 Series  | ECM-55 Series   |                |
|--|-----------------------------|--|---|--|---|----------------|
| <b>Model Variations</b>  |                             |  |   |  |   |                |
| XLR type<br>(Supplied with a battery unit and XLR-3-12C type connector.)             |                             | ECM-88B with supplied DC-78  | ECM-77B   | ECM-66B  | ECM-55B   |                |
| SMC type<br>(Supplied with a Sony 4-pin <SMC9-4P> connector.)                        |                             | ECM-88BC   | ECM-77BC  | ECM-66BC   | —   |                |
| BMP type<br>(Supplied with a 3.5 mm diameter, 3-pole mini plug.)                     |                             | —  | ECM-77BMP   | —  | —   |                |
| Pigtail type<br>(Supplied without a connector <pigtail>.)                            |                             | ECM-88BPT<br>ECM-88FPT   | ECM-77BPT   | —  | —   |                |
| Capsule type   |                             | Electret Condenser   | Electret Condenser  | Electret Condenser   | Electret Condenser  |                |
| Frequency response   |                             | 20 Hz to 20 kHz  | 40 Hz to 20 kHz   | 70 Hz to 14 kHz  | 30 Hz to 18 kHz   |                |
| Directivity  |                             | Omni-directional   | Omni-directional  | Uni-directional  | Omni-directional  |                |
| Sensitivity<br>(0 dB=1 V/Pa, at 1 kHz)   | XLR type                    | -52.0 dB ± 2 dB*1  | -52.0 dB ± 2 dB   | -50.0 dB ± 2 dB  | -52.0 dB ± 2 dB   |                |
|  | SMC/BMP/Pigtail type        | -39.0 dB ± 2 dB  | -39.0 dB ± 2 dB   | -36.5 dB ± 2 dB  | —   |                |
| Output impedance<br>at 1 kHz   | XLR type                    | 100 Ω ± 20% (balanced)*1   | 150 Ω ± 20% (balanced)  | 100 Ω ± 20% (balanced)   | 100 Ω ± 20% (balanced)  |                |
|  | SMC/BMP/Pigtail type        | 2.5 kΩ ± 30% (unbalanced)  | 2.5 kΩ ± 30% (unbalanced)   | 2.5 kΩ ± 30% (unbalanced)  | —   |                |
| Dynamic Range  |                             | 99 dB or more  | 90 dB or more   | 101 dB or more   | 98 dB or more   |                |
| Signal-to-noise ratio (A-weighted, 1 kHz, 1 Pa.)                                     |                             | 68 dB or more  | 64 dB or more   | 65 dB or more  | 66 dB or more   |                |
| Inherent noise (0dB SPL = 2E-5 Pa.)  |                             | 26 dB SPL or less  | 30 dB SPL or less   | 29 dB SPL or less  | 28 dB SPL or less   |                |
| Wind noise (with windscreen, at 2m/s)<br>(0 dB SPL = 2E-5 Pa.)                       |                             | 45 dB SPL or less  | 40 dB SPL or less   | 50 dB SPL or less  | 40 dB SPL or less   |                |
| Induction noise from external magnetic field<br>(dB SPL/1E-7 T, 0 dB SPL = 2E-5 Pa.) |                             | 5 dB SPL or less   | 5 dB SPL or less  | 5 dB SPL or less   | 5 dB SPL or less  |                |
| Maximum input sound pressure level (0 dB SPL = 2E-5 Pa.)                             |                             | 125 dB SPL   | 120 dB SPL  | 130 dB SPL   | 126 dB SPL  |                |
| Power supply<br>(XLR type only)  | Battery                     | IECR6 or LR6*1   | IECR6 or LR6  | IECR6 or LR6   | IECR6 or LR6  |                |
|  | Battery life (LR6)          | Approx. 6000 h*1   | Approx. 6000 h  | Approx. 400 h  | Approx. 6000 h  |                |
|  | External power              | DC 12 to 48 V*1  | DC 12 to 48 V   | DC 24 to 48 V  | DC 12 to 48 V   |                |
| Power requirements   | XLR type                    | DC 1.5 V*1   | DC 1.5 V  | DC 1.5 V   | DC 1.5 V  |                |
|  | SMC/BMP/Pigtail type        | DC 1.1 to 10.0 V   | DC 1.1 to 10.0 V  | DC 1.1 to 10.0 V   | —   |                |
| Current drain  | XLR type (internal battery) | 0.3 mA or less*1   | 0.3 mA or less  | 3.5 mA or less   | 0.3 mA or less  |                |
|  | XLR type (external battery) | 2 mA or less*1   | 2 mA or less  | 2 mA or less   | 2 mA or less  |                |
|  | SMC/BMP/Pigtail type        | 0.4 mA or less   | 0.4 mA or less  | 0.4 mA or less   | —   |                |
| Cable length   | XLR type                    | 8.2 feet (2.5 m)   | 9.8 feet (3.0 m)  | 9.8 feet (3.0 m)   | 9.8 feet (3.0 m)  |                |
|  | SMC/BMP type                | 3.9 feet (1.2 m)   | 3.9 feet (1.2 m)  | 3.9 feet (1.2 m)   | —   |                |
|  | Pigtail type                | 8.2 feet (2.5 m)   | 9.8 feet (3.0 m)  | —  | —   |                |
| Dimensions   | Microphone head             | $\frac{5}{32} \times \frac{5}{32} \times \frac{11}{16}$ inch<br>(3.5 x 3.5 x 16.8 mm)<br>Clip attachment area:<br>$\frac{5}{32}$ inch (3.9 mm) diameter  | $\frac{1}{4}$ diameter x $\frac{1}{2}$ inch<br>(5.6 diameter x 12.5 mm)   | $\frac{7}{16}$ diameter x $\frac{31}{32}$ inch<br>(10.6 diameter x 24.2 mm)  | $\frac{7}{16}$ diameter x $\frac{27}{32}$ inch<br>(10.6 diameter x 21 mm)   |                |
|  | Power unit (XLR type only)  | $\frac{13}{16}$ diameter x $5 \frac{3}{4}$ inches<br>(20.0 diameter x 144 mm)  | $\frac{13}{16}$ diameter x $5 \frac{1}{4}$ inches<br>(20.0 diameter x 133 mm)   | $\frac{13}{16}$ diameter x $6 \frac{1}{2}$ inches<br>(20.0 diameter x 163 mm)  | $\frac{13}{16}$ diameter x $5 \frac{1}{4}$ inches<br>(20.0 diameter x 133 mm)   |                |
| Weight   | Microphone head only        | 0.02 oz (.6 g)   | 0.05 oz (1.5 g)   | 0.25 oz (7 g)  | 0.23 oz (6.5 g)   |                |
|  | Total                       | XLR type   | 5.7 oz (162 g)  | 4.3 oz (122 g)   | 5.9 oz (167 g)  | 4.5 oz (127 g) |
|  |                             | SMC type   | 0.7 oz (22 g)   | 0.8 oz (23 g)  | 1.1 oz (30 g)   | —              |
|  | BMP type                    | —  | 0.6 oz (17 g)   | —  | —   |                |
|  |                             | Pigtail type   | 0.7 oz (20 g)   | 0.9 oz (26 g)  | —   | —              |
| Supplied accessories   |                             | Single/Horizontal type tie clip (x1)*2,<br>Single/Vertical type tie clip (x1)*2,<br>Double/Horizontal type tie clip (x1)*3,<br>Urethane type windscreen (x1)*2,<br>Microphone case (x1)*3,<br>Operating instructions (x1),<br>Ferrite clamp (x1) | Single/Horizontal type tie clip (x1)*4,<br>Single/Vertical type tie clip (x1)*4,<br>Double/Horizontal type tie clip (x1),<br>Metal-mesh type windscreen (x1),<br>Microphone case (x1)*4,<br>Operating instructions (x1) | Single/Horizontal type tie clip (x1),<br>Single/Vertical type tie clip (x1)*5,<br>Urethane type windscreen (x1),<br>Microphone case (x1),<br>Operating instructions (x1) | Single/Horizontal type tie clip (x1),<br>Single/Vertical type tie clip (x1),<br>Double/Horizontal type tie clip (x1),<br>Metal-mesh type windscreen (x1),<br>Microphone case (x1),<br>Operating instructions (x1) |                |

\*1 ECM-88B used with the supplied DC-78 battery unit.

\*2 ECM-88FPT is not supplied with mic accessories.

\*3 Double / Horizontal type tie clip and microphone case are supplied with ECM-88B only.

\*4 Single / Vertical type tie clip, Double / Horizontal type tie clip, and microphone case are supplied with ECM-77B only.































\*5 Single / Vertical type tie clip and microphone case are supplied with ECM-66B only.

|  |                             | ECM-44 Series   | ECM-166 Series  | ECM-V1 Series *7  | ECM-X7 Series *8  | ECM-322 Series  |                                 |
|--|-----------------------------|---|---|---|---|---|---------------------------------|
| <b>Model Variations</b>  |                             |   |   |   |   |   |                                 |
| XLR type<br>(Supplied with a battery unit and XLR-3-12C type connector.)             |                             | ECM-44B   | —   | —   | —   | —   |                                 |
| SMC type<br>(Supplied with a Sony 4-pin <SMC9-4P> connector.)                        |                             | ECM-44BC  | ECM-166BC   | —   | —   | ECM-322BC   |                                 |
| BMP type<br>(Supplied with a 3.5 mm diameter, 3-pole mini plug.)                     |                             | ECM-44BMP   | ECM-166BMP  | ECM-V1BMP   | ECM-X7BMP   | ECM-322BMP  |                                 |
| Pigtail type<br>(Supplied without a connector <pigtail>.)                            |                             | ECM-44BPT   | —   | —   | —   | —   |                                 |
| Capsule type   |                             | Electret Condenser  | Electret Condenser  | Electret Condenser  | Electret Condenser  | Electret Condenser  |                                 |
| Frequency response   |                             | 40 Hz to 15 kHz   | 100 Hz to 10 kHz  | 40 Hz to 20 kHz   | 100 Hz to 15 kHz  | 50 Hz to 18 kHz   |                                 |
| Directivity  |                             | Omni-directional  | Uni-directional   | Omni-directional  | Uni-directional   | Omni-directional  |                                 |
| Sensitivity<br>(0 dB=1 V/Pa, at 1 kHz)   | XLR type                    | -53.0 dB ± 3 dB   | —   | —   | —   | —   |                                 |
|  | SMC/BMP/Pigtail type        | -40.0 dB ± 3 dB   | -45.0 dB ± 3 dB   | -43.0 ± 3 dB  | -44.0 ± 3 dB  | -42 dB ± 3 dB   |                                 |
| Output impedance<br>at 1 kHz   | XLR type                    | 250 Ω ± 20% (balanced)  | —   | —   | —   | —   |                                 |
|  | SMC/BMP/Pigtail type        | 2.5 kΩ ± 30% (unbalanced)   | 2.5 kΩ ± 30% (unbalanced)   | 1.2 kΩ ± 30% (unbalanced)   | 1.2 kΩ ± 30% (unbalanced)   | 1.4 kΩ ± 30% (unbalanced)   |                                 |
| Dynamic Range  |                             | 90 dB or more   | 96 dB or more   | 86 dB or more   | 88 dB or more   | 81 dB or more   |                                 |
| Signal-to-noise ratio (A-weighted, 1 kHz, 1 Pa.)                                     |                             | 62 dB or more   | 60 dB or more   | 60 dB or more   | 62 dB or more   | 60 dB or more   |                                 |
| Inherent noise (0dB SPL = 2E-5 Pa.)  |                             | 32 dB SPL or less   | 34 dB SPL or less   | 34 dB SPL or less   | 32 dB SPL or less   | 34 dB SPL or less   |                                 |
| Wind noise (with windscreen, at 2m/s)<br>(0 dB SPL = 2E-5 Pa.)                       |                             | 40 dB SPL or less   | —   | —   | —   | 55 dB SPL or less<br>(without windscreen)   |                                 |
| Induction noise from external magnetic field<br>(dB SPL/1E-7 T, 0 dB SPL = 2E-5 Pa.) |                             | 5 dB SPL or less  | —   | —   | —   | —   |                                 |
| Maximum input sound pressure level (0 dB SPL = 2E-5 Pa.)                             |                             | 122 dB SPL  | 130 dB SPL  | 120 dB SPL  | 120 dB SPL  | 115 dB SPL  |                                 |
| Power supply<br>(XLR type only)  | Battery                     | IECR6 or LR6  | —   | —   | —   | —   |                                 |
|  | Battery life (LR6)          | Approx. 6000 h  | —   | —   | —   | —   |                                 |
|  | External power              | —   | —   | —   | —   | —   |                                 |
| Power requirements   | XLR type                    | DC 1.5 V  | —   | —   | —   | —   |                                 |
|  | SMC/BMP/Pigtail type        | DC 1.1 to 10.0 V  | DC 1.1 to 10.0 V  | DC 5 V  | DC 5 V  | DC 1.1 to 10.0 V  |                                 |
| Current drain  | XLR type (internal battery) | 0.3 mA or less  | —   | —   | —   | —   |                                 |
|  | XLR type (external battery) | —   | —   | —   | —   | —   |                                 |
|  | SMC/BMP/Pigtail type        | 0.4 mA or less  | 0.4 mA or less  | 0.2 mA or less  | 0.2 mA or less  | 1.3 mA or less  |                                 |
| Cable length   | XLR type                    | 9.8 feet (3.0 m)  | —   | —   | —   | —   |                                 |
|  | SMC/BMP type                | 3.9 feet (1.2 m)  | 3.9 feet (1.2 m)  | 3.9 feet (1.2 m)  | 3.9 feet (1.2 m)  | 3.9 feet (1.2 m)  |                                 |
|  | Pigtail type                | 9.8 feet (3.0 m)  | —   | —   | —   | —   |                                 |
| Dimensions   | Microphone head             | <sup>11</sup> / <sub>32</sub> diameter x<br><sup>19</sup> / <sub>32</sub> inch<br>(8.5 diameter x 14.5 mm)                        | <sup>1</sup> / <sub>2</sub> diameter x<br><sup>15</sup> / <sub>16</sub> inch<br>(12.5 diameter x 23.5 mm) | <sup>9</sup> / <sub>32</sub> diameter x<br><sup>25</sup> / <sub>32</sub> inch<br>(6.8 diameter x 19.5 mm) | <sup>15</sup> / <sub>32</sub> diameter x<br><sup>13</sup> / <sub>16</sub> inch<br>(11.5 diameter x 20.5 mm) | <sup>11</sup> / <sub>32</sub> diameter (capsule<br>case) x <sup>6</sup> / <sub>16</sub> inch<br>(8.4 diameter x 168 mm) |                                 |
|  | Power unit (XLR type only)  | <sup>13</sup> / <sub>16</sub> diameter x 5 inches<br>(20.0 diameter x 126 mm)   | —   | —   | —   | —   |                                 |
| Weight   | Microphone head only        |   | 0.07 oz (2 g)   | 0.12 oz (3.5 g)   | —   | —   |                                 |
|  | Total                       | XLR type  | 4.3 oz (121 g)  | —   | —   | —   |                                 |
|  |                             | SMC type  | 0.8 oz (24 g)   | 1.0 oz (25 g)   | —   | —   | 0.4 oz (10 g) without connector |
|  |                             | BMP type  | 0.6 oz (18 g)   | 0.7 oz (19 g)   | 0.57 oz (16.2 g)  | 0.63 oz (18.0 g)  | 0.4 oz (10 g) without connector |
|  |                             | Pigtail type  | 1.0 oz (29 g)   | —   | —   | —   | —                               |
| Supplied accessories   |                             | Single/Horizontal type tie clip (x1),<br>Urethane type windscreen (x1),<br>Microphone case (x1)*6,<br>Operating instructions (x1) | Single/Horizontal type tie clip (x1),<br>Urethane type windscreen (x1),<br>Operating instructions (x1)    | Single/Horizontal type tie clip (x1),<br>Urethane type windscreen (x3)                                    | Single/Horizontal type tie clip (x1),<br>Urethane type windscreen (x1)                                      | Headband (x1), clip (x1),<br>Carrying case (x1),<br>Operating instructions (x1)   |                                 |

\*6 The microphone case is supplied with ECM-44B only.

\*7 The characteristics are measured as UTX-B2V.

\*8 The characteristics are measured as UTX-B2X.

|   | ECM-88   | ECM-77   | ECM-66  | ECM-55   | ECM-44  | ECM-166  | ECM-V1  | ECM-X7  |
|---|--|--|---|--|---|--|---|---|
| Single/Horizontal type tie clip             | <br>SAD-H88B (x 6)                | <br>SAD-H77B (x 10)     | <br>SAD-H55B (x 10)  | <br>SAD-H55B (x 10) | <br>SAD-H44B (x 10)  | —  | <br>SAD-HV1B (x 4)   | <br>SAD-HV1B (x 4) |
| Single/Vertical type tie clip               | <br>SAD-V88B (x 6)                | <br>SAD-V77B (x 10)     | —   | —  | —   | —  | —   | —   |
| Double/Horizontal type tie clip             | <br>SAD-W88BL (x 6)               | <br>SAD-W77BL (x 6)     | —   | —  | —   | —  | —   | —   |
| Safety-pin type microphone holder           | <br>SAD-S88B (x 6)                | <br>SAD-S77 (x 6)       | —   | —  | —   | —  | —   | —   |
| Metal-mesh windscreen                       | —  | <br>AD-R77B (x 6)      | —   | <br>AD-R55B (x 6)  | —   | —  | —   | —   |
| Urethane windscreen                         | <br>AD-R88B (x 12)              | <br>AD-C77B (x 12)    | <br>AD-R66B (x 12) | —  | <br>AD-R44B (x 12) | —  | <br>AD-RV1B (x 12) | <br>AD-RX7 (x 6) |
| Color windscreens                           | <br>AD-C88 (x 2 sets)           | <br>AD-C77 (x 2 sets) | —   | —  | —   | —  | —   | —   |
| DC power supply unit (SMC9-4S to XLR 3-pin) | <br>DC-78 Supplied with ECM-88B | <br>DC-78             | <br>DC-78          | —  | <br>DC-78         | <br>DC-78 | —   | —   |
| Microphone accessory kit                    | <br>AD-KIT88B                   | <br>AD-KIT77          | —   | —  | —   | —  | —   | —   |

**SONY**

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