

# SOUND ADAPTER

Model : SL-417

ISO-9001, CE, IEC1010



## FEATURES

- \* Cooperate with the Environment Meter EM-9300SD as a professional sound level meter.
- \* 30 to 130 dB, 3 ranges.
- \* Frequency weighting networks are designed to meet the IEC 61672 class 2.
- \* A weighting networks are conformity to standards.
- \* Fast Time weighting dynamic characteristic modes.
- \* Condenser microphone for high accuracy & long-term stability.
- \* Over/Under indicator.
- \* Low battery indicator.
- \* Electric condenser microphone.
- \* Size of microphone : 1/2 inch standard size.



**Lutron**

LUTRON ELECTRONIC

*The Art of Measurement*

# SOUND LEVEL ADAPTER

## Model : SL-417

| FEATURES   |
|--|
| * Cooperate with the ENVIRONMENT METER, EM-9300SD to be as a professional sound level meter. |
| * 30 to 130 dB, 3 ranges.  |
| * Frequency weighting networks are designed to meet the IEC 61672 class 2.                   |
| * A weighting networks are conformity to standards.  |
| * Fast Time weighting dynamic characteristic modes.  |
| * Condenser microphone for high accuracy & long-term stability.                              |
| * Over/Under range indicator.  |
| * Low battery indicator.   |

| SPECIFICATIONS                 |  |
|--------------------------------|--|
| Measurement Range              | 30 to 130 dB, 3 ranges<br>Range 1 : 30 to 80 dB.<br>Range 2 : 50 to 100 dB.<br>Range 3 : 80 to 130 dB.   |
| Output                         | 10 mV per 1 dB.  |
| Accuracy<br>( 23± 5°C )        | Frequency weighting meet IEC 61672 class 2, calibrating input signal on 94 dB ( 31.5 Hz to 8 kHz ), then the accuracy of A frequency weighting is specified as following :<br><i>31.5 Hz - ± 3.5 dB, 63 Hz - ± 2.5 dB, 125 Hz - ± 2.0 dB<br/>250 Hz - ± 1.9 dB, 500 Hz - ± 1.9 dB, 1 kHz - ± 1.4 dB<br/>2 kHz - ± 2.6 dB, 4 kHz - ± 3.6 dB, 8 kHz - ± 5.6 dB</i> |
| Frequency Weighting Network    | Characteristics of A weighting. A weighting : The characteristic is simulated as " Human Ear Listing " response.   |
| Frequency                      | 31.5 Hz to 8,000 Hz.   |
| Calibrator                     | B & K (Bruel & Kjaer) : Multi-fuction acoustic calibrator, Model : 4226.   |
| Microphone type                | Electric condenser microphone.   |
| Size of microphone             | 1/2 inch standard size.  |
| Calibration VR                 | Build in external calibration VR.  |
| Battery                        | DC 9 V battery ( 006P, 6F22 ). @ <i>Alkaline or heavy duty type.</i>   |
| Power Consumption              | Approx. DC 12 mA.  |
| Operating Temperature          | 0 to 50 °C ( 32 to 122 °F ).   |
| Operating Humidity             | Less than 80% RH.  |
| Weight                         | 220 g/0.49 LB (including battery).   |
| Dimension                      | <i>Main instrument : 107 x 53 x 29 mm ( 4.2 x 2.1 x 1.1 inch ).<br/>Probe : Dia. 12.7 mm x 58 mm ( Dia. 0.5 inch x 2.28 inch ).</i>  |
| Accessories Included           | Operation Manual..... 1 PC.  |
| Optional Calibrator, Accessory | 94 dB Sound Calibrator, Model : SC-941.<br>94/114 dB Sound Calibrator, Model : SC-942.<br>Wind shield ball, Model : SB-01  |

\* Appearance and specifications listed in this brochure are subject to change without notice.

1808-SL417