

Sound Level Meter

Optional accessories (For Sound Level Measurement)

114 dB/250 Hz calibration sound source

Pistonphone NC-72A



- Suitable for RION microphones including 1 inch, 1/2 inch, and 1/4 inch diameter types and similar-diameter types such as the MR-103
- Unit is powered by alkaline or manganese batteries and rated for 13 hours of continuous use, giving a battery life of about two years if used for 1 to 2 minutes a day

Specifications

| | |
|------------------------------|---|
| Applicable standards | JIS C 1515: 2004 (IEC 60942: 2003) Class LS/C JIS C 1515: 2004 (IEC 60942: 2003) Class 1/C (when using supplied barometer) |
| Nominal sound pressure level | 114 dB, sound pressure level tolerance ± 0.15 dB (101.325 kPa) |
| Frequency | 250 Hz ± 1 % |
| Distortion | 2.5 % or less |
| Temperature range | -10 °C to +55 °C |
| Humidity range | 10 % to 90 %RH (no condensation) |
| Dimensions, Weight | Approx. 60 (H) x 170 (W) x 40 (D) mm, approx. 740 g (including batteries) |

Compensation for atmospheric pressure not required

Sound Calibrator NC-74



- Compact, lightweight, convenient sound calibrator fully suitable for calibration of Sound level meters
- Powered from two size AA alkaline batteries giving more than 30 hours continuous operation at room temperature
- Automatic compensation function for atmospheric pressure changes

Specifications

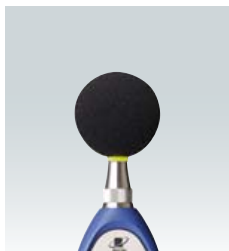
| | |
|------------------------------|--|
| Applicable standards | JIS C 1515: 2004 Class 1, IEC 60942: 2003 Class 1 |
| Compatible microphones | 1 inch, 1/2 inch types |
| Nominal sound pressure level | 94 dB ± 0.3 dB |
| Nominal frequency | 1 000 Hz |
| Dimensions, Weight | Approx. 49 (H) x 80 (W) x 74 (D) mm, approx. 200 g (including batteries) |

Reduce adverse effects of wind noise

Windscreens



WS-15



WS-16

| Type | Model |
|--|---------|
| Windscreen for 1/2 inch microphones | WS-10 |
| Windscreen for 1 inch microphones | WS-01 |
| Windscreen for 1/4 inch microphones | WS-05 |
| All-weather windscreen | WS-15 |
| Windscreen mounting adapter | WS15006 |
| Rain-protection windscreen (For NL-42/52/62) | WS-16 |

For stationary sound level measurement

Tripods



ST-80

ST-81

| Type | Model | Lowest position (mm) | Highest position (mm) | Weight (g) |
|--|-----------|----------------------|-----------------------|------------|
| Sound level meter tripod (compatible with extension rod) | ST-80 | 570 | 1 460 | 1 500 |
| Extension rod (for ST-80) | ST-80-100 | 1 170 | 2 060 | 610 |
| All-weather windscreen tripod | ST-81 | 1 350 | 2 150 | 3 200 |
| Compact tripod | 5SLIK | 400 | 1 150 | 580 |

Memory Card (CompactFlash / SD Card)

Commercially available memory cards (CompactFlash cards) may differ in specifications even among identical models from the same manufacturer.



When using RION equipment designed to handle memory cards, operation is guaranteed only when using memory cards from RION.

CF cards

| Type | Model |
|--------------------|----------|
| 256 MB memory card | MC-25LC1 |
| 2 GB memory card | MC-20CF2 |

Usage limitations

| | |
|--------------|---|
| VM-53A |Max. 256 MB |
| NA-28, DA-20 |Max. 2 GB |
| DA-40 |Max. 4 GB (dedicated card, see page 40.) |

SD cards

| Type | Model | Supported models |
|----------------|----------|------------------------|
| 512 MB SD card | MC-51SD1 | For NL-42/52/62 |
| | MC-51SS1 | For VA-12 |
| 2 GB SD card | MC-20SD2 | For NL-42/52/62, DA-21 |
| | MC-20SS2 | For VA-12 |

Reduction of wind noise for tunnel experiment

1/2 inch Nose Cone (For UC-30, UC-31) UA-31



UA-31

External power supply for sound level meters and vibration meters

Battery Pack BP-21A

- Holds four IEC R20 (size D) batteries
- Provides double battery life of IEC R14 (size C) or four times the battery life of IEC R6 (size AA) batteries



Specifications

| | |
|--------------------|--|
| Dimensions, Weight | 80 (H) x 170 (W) x 50 (D) mm, approx. 1.1 kg |
|--------------------|--|