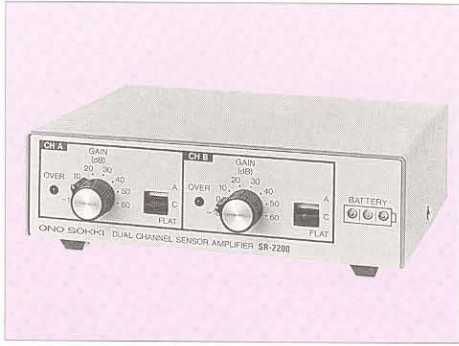


# 2ch Sensor Amplifier SR-2200

Compact, light-weight, battery or AC-powered constant-current sensor amplifier suitable for field measurement  
Two channels provide simultaneous stereophonic measurement of sound and vibration.



## ▼ Outline

The SR2200 amplifier accepts constant-current-line-drive sensors and connects the signal to analyzers and recorders that would not otherwise be compatible with constant-current sensors. The unit connects directly with BNC connectors to our compact MI-3110 and MI-3150 microphone preamplifiers and NP-3000 series of acceleration pickups. The small size, light weight, and battery operation of this amplifier save time and trouble in preparation for measurement. All of these features, and economy, make this amplifier ideal for field measurement application.

## ▼ Features

- Two input channels for simultaneous measurement of either sound pressure level and vibration, or input and output source measurement
- Dual power source: battery or AC adapter (optional)
- Flat-, A- and C-weighting
- Stackable for multiple channels

## ▼ Specifications

Input		Input/output connectors	: BNC (C02)
Constant current power supply	: 2.4 mA ( $\pm 20\%$ )/ Applied voltage: Approx. 18 V	Output	
Number of channels	: 2	Output voltage	: 12.6 dBVrms max. ( $\pm 6$ V)
Operating frequency range	: 1 Hz to 20 kHz ( $\pm 0.5$ dB). Load impedance: 100 k $\Omega$ min.	Maximum output cable length	: 30 m
Input impedance	: 1 M $\Omega \pm 0.5\%$ .	General specifications	
Input Cutoff frequency	: Approx. 0.16 Hz	Power	: Battery: Four AA Cells External power supply: PB703 AC adapter (Optional)
Input voltage	: 12.5 dBVrms max. ( $\pm 6$ V)	Continuous operation time with battery	: 20 hrs. min., with four AA (LR04) alkaline cells
Gain	: -10, 0, 10, 20, 30, 40, 50, 60 dB (Selectable in eight 10-dB steps, $\pm 0.2$ dB)	Operating temperature range	: -10°C to +50°C
Frequency weighting	: A/C/FLAT (Conforming standards: IEC651 Type 1, JIS C 1505)	Operating humidity range	: 30% to 90% RH
Output cutoff frequency	: Approx. 0.2 Hz (Load impedance: 100k $\Omega$ min.) Approx. 0.4 Hz (Load impedance: 50 k $\Omega$ min.)	Storage temperature range	: -20°C to +60°C
Input-converted self noise	: -105 dBVrms max. (A), -100 dBVrms max. (C), -95 dBVrms max. (FLAT)	Storage humidity range	: 10% to 90% RH
		External dimensions	: 140 (W) x 40 (H) x 125 (D) mm, not including protruding components
		Weight	: Approx. 500 g (with batteries)
		Accessories	: Instruction manual 1 Battery: 4 AA (LR06) cells

## ▼ Compatible microphone preamplifiers and acceleration pickups

- Preamplifiers: MI-3110 and MI-3150 (Microphones: MI-1431 and MI-1233)
- Acceleration pickups: NP-3000 Series (Optional connector conversion adapter required)

### Example Configuration

