



Japan's most original microphone maker.

CU-31

Unidirectional Condenser Microphone

CU-32

Right Angle Unidirectional Condenser Microphone

The Sanken CU-31* and CU-32** are small, lightweight microphones for TV and radio broadcasting and studio recording. Delivering a natural, uncolored sound, they feature Sanken's original Push-Pull type capsule design, which gives them a dynamic range 6dB wider than conventional microphones of the same size. As a result, they are particularly suited for cleanly capturing such explosive, high pressure sound sources as trumpets and drums. In addition to their high dynamic range of 129dB (maximum SPL=148dB at 1% THD), the CU-31 and CU-32 offer a very flat frequency response (20Hz to 18,000Hz). Thus they are ideal for compact disc recording. Like all Sanken microphones, they come with a light, strong, corrosion-free one-micron titanium diaphragm which is immune to changes in temperature and humidity. These are very practical, proven microphones; in Japan they are renowned not only for their quality, but for their reliability: in more than eight years of sales, not a single microphone has ever been returned for repair.

*Maximum sensitivity: axial

**Maximum sensitivity: 90° to longitudinal axis

Specifications

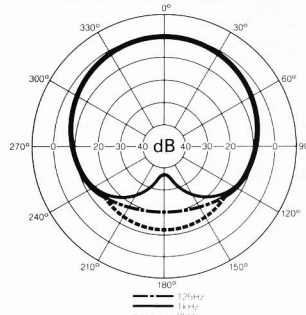
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|-----------------------------------|---|
| Transducer Type: | Push-Pull DC bias condenser |
| Directional Pattern: | Cardioid |
| Diaphragm: | Titanium membrane |
| Frequency Response: | 20Hz to 18kHz |
| Sensitivity at 1kHz: | 3.5mV/Pa |
| Nominal Impedance: | 200 ohms ±20% |
| Recommended Load Impedance: | 1,000 ohms or higher |
| Equivalent Noise Level: | 19dB or less |
| A weighted rms (IEC 179) | (0dB=2 × 10 ⁻⁵ Pa) |
| Maximum SPL for 1.0% THD at 1kHz: | 148dB |
| Connectors: | Gold plated 3 pin XLR type; Pin 1=ground, Pin 2=audio (positive), Pin 3=audio |
| Supply Voltage: | 48±4V phantom |
| Current Consumption: | 1.4mA |
| Dimensions: CU-31 | 113mm × 20.5mm (4.4 in. × 0.8 in.) |
| CU-32 | 117mm × 20.5mm (4.6 in. × 0.8 in.) |
| Weight: | 125g (0.28 lb.) |
| Case: | Brass construction, stainless steel screen, satin nickel (or matte black) plated finish |

Specifications subject to change without notice.

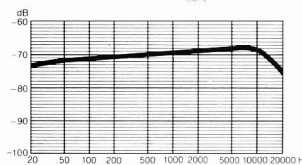
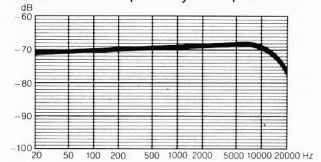


CU-31 (left) and CU-32 (right) Unidirectional Condenser Microphones

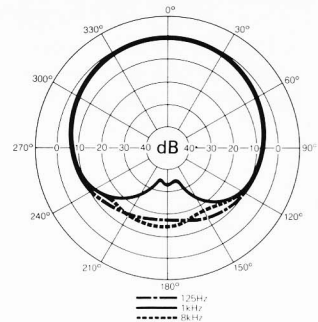
CU-31 Polar Pattern



CU-32 Frequency Response



CU-31 Frequency Response



CU-32 Polar Pattern

Included Accessories:

1. MM-2 mount with two female thread adaptors
2. Carrying box with calibration chart
3. WS-30 foam windscreen

Optional Accessory:

1. P-41 power supply



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CU-31, CU-32 Microphone Accessories

MM-2 Mount

with Two Female Thread Adaptors

The MM-2 is a swivel mount which has a plastic clamp with a 20.5mm inside diameter for accepting the Sanken CU-31 and CU-32. It has a 1/2" threaded coupling and a reducing adaptor for 5/8"-27 (ADF1258) and 3/8" (ADF1238) thread studs.

P-41B Power Supply

The P-41B is an AC power source that provides, in accordance with DIN 45596, 48 volt phantom powering to one or two CU-31 or CU-32 microphones. It has been specially designed to keep ripple voltage under 50 micro volts. It contains a power switch, a power-on indicator, two inputs (XLR-31C) and two outputs (XLR3-32C). It operates both at 50 and 60 Hz on the two voltage ranges: 100-130V and 200-240V.

Specifications

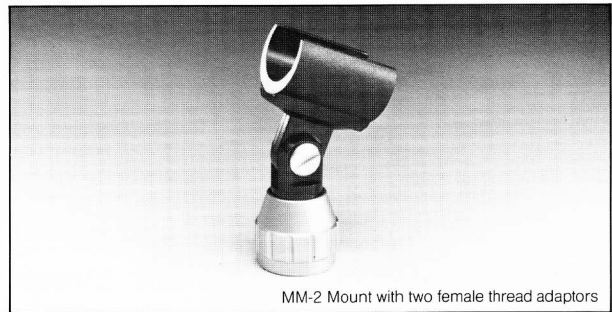
- Operating voltage: 100-130 VAC; 200-240 VAC; 50/60Hz
- Current consumption: 20mA
- Power consumption: 2.4W
- Ripple: Less than 0.05mVrms with two microphones connected
- Supply voltage polarity: Positive (+) on microphone connector pins 2 and 3. Negative (-) on pin 1 and case
- Phasing: Corresponding pins of all connectors are in phase
- Connectors to microphone: XLR7-31
- Connectors to output: XLR5-32
- Dimensions: H 53mm (2.1 in.) x W 150mm (5.9 in.) x D 210mm (8.3 in.)
- Weight: 1.1kg (2.4 lb.)
- Construction: Aluminum chassis with aluminum cover finished in black.

Note: Power supplies designed in accordance with DIN 45596 by other manufacturers are acceptable for these microphones.

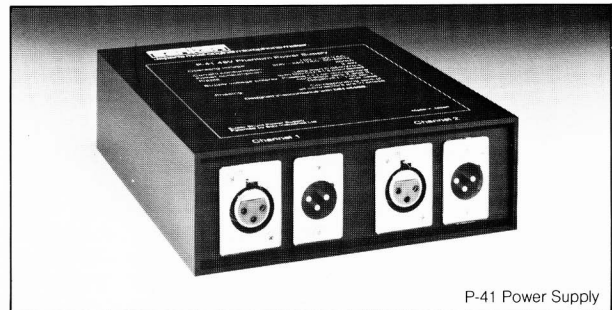
Specifications subject to change without notice.

WS-30 Foam Windscreen

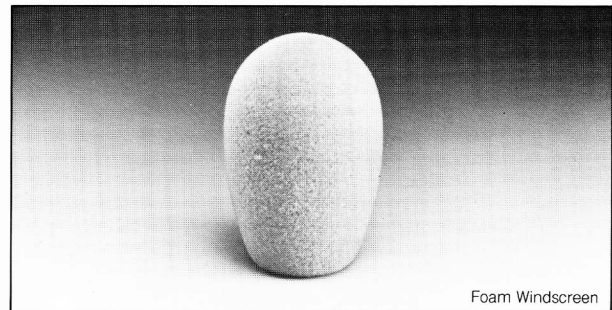
The WS-30 is an open-cell polyurethane foam windscreen for use with the CU-31 and CU-32 microphones. It comes in black as standard, but other colors are available.



MM-2 Mount with two female thread adaptors



P-41 Power Supply



Foam Windscreen

Dealer: