Condenser Stereo Microphone

C 34 comb

The C 34 comb is similar to but smaller than the C 422 comb. This small stereo condenser microphone is designed for both studio and mobile use.

The microphone head contains two double diaphragm systems based on the well-known AKG CMS condenser capsule CK 1. The polar pattern for each channel is selectable in 9 steps via remote control unit S 42 E.
For changing the stereo base angle, the upper pair of capsule may be turned by 270° in relation to the lower pair, which is ideal for MS and XY recording techniques. The polar pattern can be changed without noise and without change in sensitivity while recording. The lower part of the system is affixed to the housing. The microphone shaft contains two low noise FET preamplifiers with extremely high input impedances. The S 42 E used for the remote control of polar patterns is connected to the microphone by a multi-conductor cable (included). It supplies the microphone with the necessary operating voltages when phantom powered through the audio lines by any voltage between 9 and 52 V. d.c.

Included Accessories:

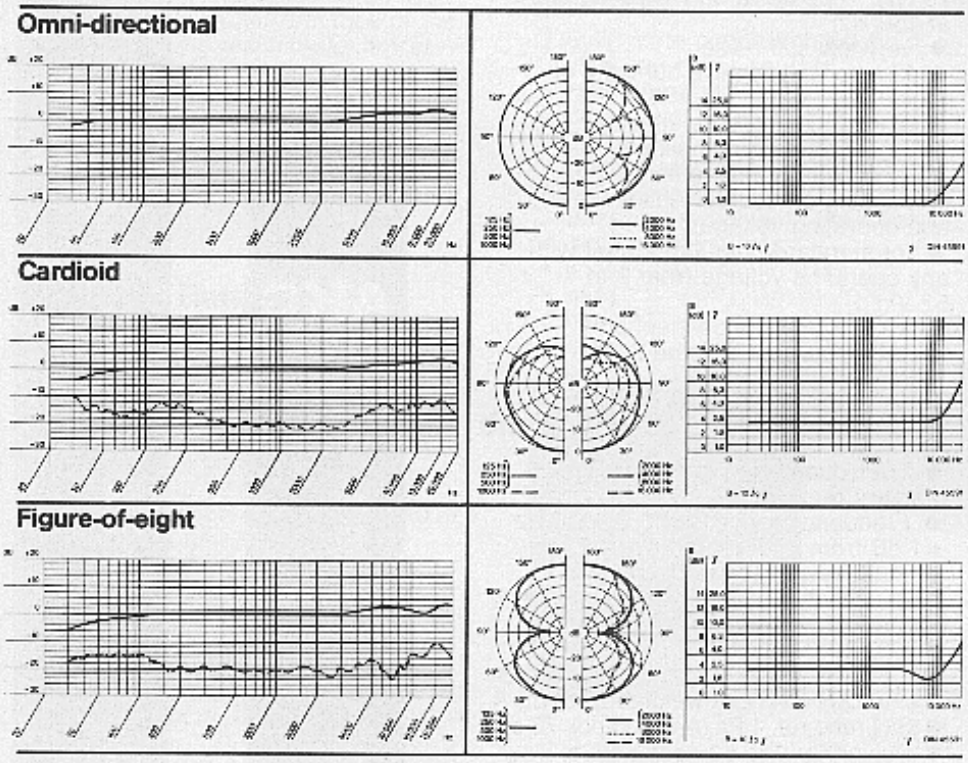
H 15/6
Elastic suspension
W 34
Foam windscreen
MK 42/20
20 m multiconductor cable
S 42 E
Remote control unit
Individ. frequ. curves
Transport case

Optional Accessories:

N 62 E
Power supply unit for one stereo microphone
N 66 E
Power supply unit for three stereo microphones
MK 9/10 10 m cable
B 18
Battery supply unit for one channel only

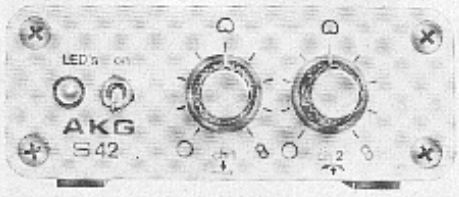
Frequency Response:

Polar Diagrams:



Technical Data:

- Transducer type: 4 condenser capsules designed as pressure gradient receivers.
- Directional characteristics: omni, cardioid, figure-of-eight, and 6 intermediate patterns.
- Sensitivity at 1,000 Hz: 4.5 mV/Pa≙ 0.45 mV/µb≙ – 67 dBV ref. 1 µb
- Frequency range: 20 Hz to 20 kHz ±2 dB from published curve.
- Impedance: ≦200 ohms.
- Recommended load impedance: ≧600 ohms.
- Equivalent noise level: acc. to DIN 45405 (CCIR 468-2):32 dB acc. to DIN 45412 (A-weighted): 22 dB-A
- S/N ratio ref. 1 Pa (A-weighted): 72 dB
- Powering: 9 to 52 volts via S 42 E from Univ. Phantom Powering Sources (acc. to DIN 45596).
- Current consumption: ≦5 mA per channel.
- Max. sound pressure for 0.5% THD: 80 Pa≙132 dB SPL (at 1 kHz and 600 ohms load).
- Crosstalk rejection: ≧70 dB (20 Hz to 10 kHz), ≧40 dB (20 Hz to 15 kHz).
- Acceptable climatic conditions: Temperature range: – 20° C to + 60° C. Rel. humidity: 99% (+ 20° C), 95% (+ 60° C).
- Connector: 12 pin DIN type.
- Dimensions: 33/25 ∅ x196 mm (1.3/1.0 ∅ x7.7 inch).
- Housing: chromium plated all-metal housing in satin charcoal finish.
- Net weight: appr. 280 g (10 oz).
- Shipping weight: appr. 2 kg (4.5 lb).



The S 42 E

provides for selecting 9 polar patterns (omni, cardioid, and figure-of-eight plus intermediate positions) independently for each channel.