

# C 24

## Stereo-Condenser Microphone

The C 24 stereo studio condenser microphone possesses all the outstanding features of the C 12 condenser microphone but is suitable for stereo applications.

It incorporates two microphone systems arranged closely one above the other, operating on separate outputs. Depending on the directional characteristic selected and the position of the two microphone systems in relation to one another, MS or XY stereo pick up is possible. Using the selector unit the directional patterns of both microphone systems can be changed individually during programme pick-up (similar to C 12).

### TECHNICAL DATA

Frequency range:	20 ... 20000 cps
Frequency response:	$\pm 2$ db related to published curve
Directional characteristics (2 x 9 different positions):	omni-directional; none, cardioid; better than 20 db front-back ratio or 180° sound incidence; bi-directional; 20 db front-back ratio
Sensitivity:	1.0 mV/dbar (-60 db re 1 w/dyne/cm <sup>2</sup> , unloaded (200 ohms))
Equivalent noise level:	less than 25 db
Impedance:	50/200 ohms (change solder lugs)
Tube complement:	1 x 6X7 (for both channels), 6.2 volts dc filament voltage, 120 volts dc plate voltage
Mains connection:	110/120/145/220/240 volts AC at 50/60 cps
Crosstalk between channels:	better than 40 db throughout entire range
Stand connector:	3/8", 1/2", 3/8" -27 with microphone cable MK 24
Dimensions:	10" long (250 mm, with connector), 1 11/16" diameter (43 mm)
Weight:	1 lb. 4.5 ozs. net (590 g), shipping weight: 20 lbs. 12.5 ozs. (13.5 kg)

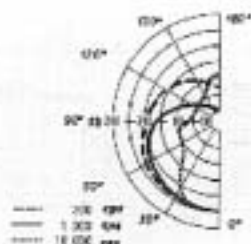
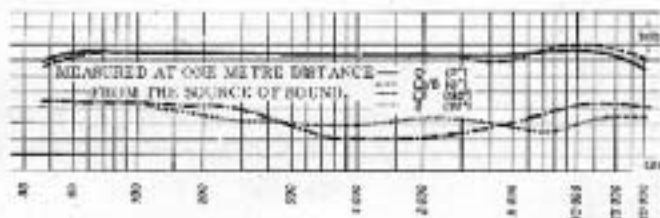


### PARTS SUPPLIED

Stereo studio condenser microphone C 24 in case, power supply unit N 24, remote control unit S 24, remote control cable RL 24, AF-cable NF 12, microphone cable MK 24 with stand adapter.

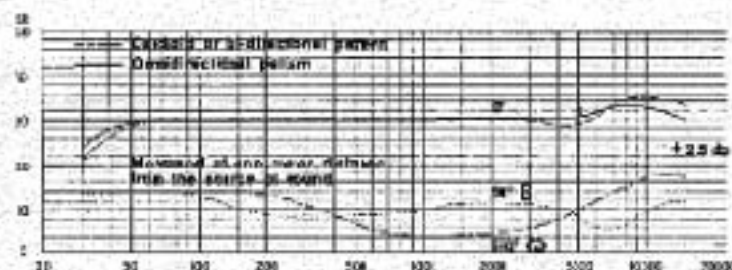
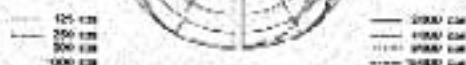
### ACCESSORIES

Elastic suspension H 12, heavy table stand S 301, floor stand S 204, large microphone boom stand SM 911/1, windscreen W 45.



- Professional Stereo Condenser Microphone contains two coaxially situated microphone systems, each working into an individual pre amplifier
- Directional pattern of both microphone systems can be varied by remote control, during actual program pick-up, and independent of each other
- 9 directional patterns are available: omni, cardioid, bi-directional and 6 intermediate positions
- Rotatable upper microphone system and two tilting positions permit MS as well as XY stereo recording
- Use any length of microphone cable: power unit keeps operating voltages constant
- Individual frequency curves are supplied with each C 24

Cardioid pattern position ②



Frequency Range: 30...20 000 cps; Sensitivity: 1.0 mv/bar (60 dbv); Impedance: 200 ohms  $\pm$  15%; 50 ohms (change solder legs); Min. Actual Load Impedance:  $\geq$  500 ohms (150 ohms); Weighted Noise Level: 25  $\mu$ v (Filter CCIF 1954 DIN 45 405); Unweighted Noise Level: 80  $\mu$ v; Residual Noise Level: < 22 db (Filter CCIF 1954 DIN 45 405); Max. Sound Level (for 1% thd): 130 ubar (117.5 db); Filament Voltage: 12.8 v; Plate Voltage: 120 v; Tube: 6072 Power Supply: 220, 110 v  $\pm$  10%; 40...60 cps, regulated.

Order number: **C 24 comb.** Delivery includes:

- Stereo Studio Condenser Microphone C 24, 653 g; in wooden case, 500 g
- Stand adapter and 20 m Microphone Cable MK 24 with connector T3615 (fits into N 24)
- 10 m Remote Control Cable RL 24 with connectors at both ends (fits into N 24 and S 24)
- 5 m, 5-conductor shielded AF-Cable NF 24, with connector 5S17B (fits into N 24), weight of MK 24, RL 24, NF 24: 2800 g
- Power Supply Unit N 24 with 2 m power cable and power plug, 4100 g
- Remote Control Unit S 24 120C g
- Individual frequency curve
- Weight with individual packing, ca 10 400 g.

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