



Neumann Microphones



Neumann Microphone Studio Systems consist of the microphone of your choice, the appropriate power supply, suitable stand mounting, microphone-to-power supply interconnect cable, AC cord, and Cannon output connector. Power supplies come equipped with U.S. standard pilot lights, fuses, AC receptacles, and output connectors. Microphones may be used as far as 300 feet from their power supplies. For this purpose, additional interconnect cables are available in lengths of 25, 50 and 100 feet. Swivel suspensions and full elastic suspension units are equipped with U.S. standard $\frac{3}{8}$ "-27 microphone stand thread.

MODEL U-67 MICROPHONE SYSTEM

Represents the latest advances in microphone engineering design. Electronically switched directional characteristics: Cardioid, Figure-8 or omnidirectional. Perfectly linear frequency response (± 1 db to 16 kc), makes close miking possible without the sharp sound common to previous condenser microphones. Input circuit designed to provide flat response to 40 cps with sharp roll-off below, makes possible full-fidelity pick-up without necessity of elastic suspensions, wind-screens or "popping" filters. Features separate "Voice-Music" switch to raise the roll-off starting point from 40 cps to 100 cps. Advantageous for speech in TV and film applications. Overload switch permits reduction of the capsule's sensitivity by approx. 14 db before the amplifier section. Current regulated filament supply permits wide variation in inter-connecting cable lengths without necessity for filament voltage adjustment. Calibrating input connection on power supply to test preamp with oscillator. Complete protection against RF interference. Service-free operation features gold-sputtered polyester foil diaphragm; printed circuits; completely encapsulated grid-components; Teflon tube socket. Disassembly without tools making tube change a matter of seconds. **Frequency Range:** 20-16,000 cps. **Nominal Output Impedance:** Switchable 30/50 ohms-150/250 ohms. **Effective Output Levels:** (Referred to 10 dyne/cm² S.P.L.) Omnidirectional, Figure-8, -59 dbm at 30/50 ohms, -52 dbm at 150/250 ohms; Cardioid, -55 dbm at 30/50 ohms, -48 dbm at 150/250 ohms. **Distortion:** Less than 0.5% rms total harmonic at 40, 1000 and 5,000 cps. **Calibrating Input Impedance:** 600 ohms unbalanced. **Power Requirements:** NU-67u Power Supply; 9 watts, 110/127/220 volts AC, 50-60 cps. **Dimensions:** Mike, $2\frac{1}{4}$ " dia., $7\frac{1}{2}$ " long; Supply, $4\frac{1}{2}$ " x $4\frac{1}{2}$ " x $8\frac{1}{2}$ ". **Weight:** 5 lbs., total. **Neumann Model U-67 Microphone System**—Includes U-67 matte satin chrome Condenser Microphone, NU-67u gray hammertone Power Supply, 25 ft. microphone interconnect cable and swivel stand coupling, AC power cord, etc. **\$460.00** Net Each.

Neumann U-67 with Elastic Suspension—Add to Net. **\$14.00**

Neumann Model Z-67 Windscreen—For above system. **32.50** Net Each.

NEW MODEL U-64 LINEAR ADMITTANCE CARDIOID MICROPHONE SYSTEMS

Tiny new Neumann condenser microphone designed for mid-distance miking. Provides near-perfect cardioid pattern with uniform frequency response from angles as great as 135° off direct angle of incidence. Ideal for instrumental groups or orchestral sections. Axially addressed. Cannon XLR connectors throughout. Amplifier uses type 7586 nuvistor. Condenser element, vacuum gold-steamed Mylar* with acoustical delay network. **Frequency Range:** 40-18,000 cps. **Nominal Output Impedance:** 30/50 ohms-150/250 ohms. **Effective Output Level:** -43 dbm re 10 dyne/cm². **Overload Protection:** Built-in, 10 db switchable. **Harmonic Distortion:** Less than 0.5% to 120 db S.P.L.; to 130 db S.P.L. with overload protection. **Self Noise Level (DIN 45405):** Less than 29 phn. **Microphone Size:** $\frac{3}{8}$ " dia. x 4" long. Matte satin chrome finish. Weight, $3\frac{1}{2}$ oz.

Neumann Model U-64 Microphone System—Includes one U-64 mike, N-6u power supply, UC-11 25-ft. cable, swivel stand coupling, mating XLR connector and AC cord. **\$360.00** Net Each.

Neumann Model U-64-2 Microphone System—Includes two U-64 mikes, N-62u dual power supply, two UC-11 25-ft. cables and swivel stand couplings, mating XLR connectors and **\$620.00** AC cord. Net Each.

Neumann Model U-64-6P Microphone System—Includes six U-64 mikes, N-66u six-way power supply, six UC-11 25-ft. cables and swivel stand couplings, mating XLR connectors and **\$1680.00** AC cord. Net Each.

Neumann Model U-64-6R Microphone System—Same as U-64-6P but with N-66k rack-mount power supply for permanently wired installations. Net Each. **\$1560.00**
*Registered DuPont trademark.

MODEL SM-2 MINIATURE STEREO MICROPHONE SYSTEM

This recent addition to the condenser microphone field consists of two separate and complete condenser mikes, and their respective preamplifiers, in a miniature housing. The two condenser capsules are mounted one above the other; top one is rotatable to permit M-S stereo recording technique (intensity stereo). Each microphone may be individually switched to any field pattern: Non-directional, bi-directional, cardioid, or any of six intermediate patterns. Extreme balance provided between systems. **Frequency Response:** 40-15,000 cps. **Output Impedance:** Specify 50 or 250 ohms when ordering. **Non-Linear Distortion:** Less than 0.8% entire range to 110 db absolute. **Size:** Mike, $1\frac{1}{4}$ " dia. x 8" long. **Power Supply,** $8\frac{1}{2}$ " x $4\frac{1}{2}$ " x $4\frac{1}{2}$ ". **Weight:** Mike, $9\frac{1}{2}$ oz.; Power Supply, 5 lbs.

Neumann Model SM-2 Stereo Microphone System—With NSM power supply, SC-2 interconnect cable, etc. **\$820.00** Net Each.

Neumann Model Z-43 Wind Screen—For above system. **\$46.00** Net Each.



M-49b



U-64



SM-2



NU-67u Power Supply



Z-43 and Z-118 Windscreens

KM SERIES MINIATURE CONDENSER MICROPHONE SYSTEMS

Miniaturized microphones feature extremely smooth response, a wide dynamic range, absence of distortion and noise. **Frequency Response:** 40-15,000 cps. **Output Impedance:** 50 or 250 ohms; specify when ordering. **Non-Linear Distortion:** Less than 0.8% entire range to 110 db absolute. **Size:** Mike, $\frac{3}{8}$ " dia. x 6" long (Model KM-56); power supply, $8\frac{1}{2}$ " x $4\frac{1}{2}$ " x $4\frac{1}{2}$ ". **Weight:** Mike, 4 oz.; power supply, 5 lbs.

Neumann Model KM-56 Miniature Microphone System—With NKM power supply, KC-2 interconnect cable, etc. Field pattern: Non-directional, bi-directional, cardioid (switchable). **\$460.00** Net Each.

Neumann Model KM-64 Miniature Microphone System—Same as KM-56, but cardioid pattern only. Length $4\frac{3}{4}$ ". **Net \$435.00**

Neumann Model Z-118 Windscreen—Gauze-screened sphere $2\frac{1}{4}$ " dia. Prevents low frequency wind noise and talking "pops" from interfering with recorder. Fits easily and quickly over all KM series mikes. Net Each. **\$17.50**

Neumann Model Z-29 Overload Protector—Miniature switch inserts between capsule and amplifier of KM-64 mike to restrict level fed to preamp when high intensity sound levels are to be recorded at close range. Switchable, straight through, 10 db and 18 db attenuation. Net Each. **\$62.00**

MODEL M-49b VARIABLE DIRECTIONAL MICROPHONE SYSTEMS

The standard of the German broadcasting industry; permits remote control of the directional characteristic. Smooth, continuous fader control selects non-directional, bi-directional, cardioid and any intermediate pattern. Slight roll-off below 40 cps prevents shock-noise interference. Rugged construction. **Response and Distortion:** 0.6% 40-15,000 cps up to 110 db absolute. **Size:** Mike, $3\frac{1}{4}$ " dia. x $6\frac{1}{2}$ " long. **Power Supply,** $8\frac{1}{2}$ " x $4\frac{1}{2}$ " x $4\frac{1}{2}$ ". **Weight:** Mike, $1\frac{1}{4}$ lbs.; Power Supply, $5\frac{1}{2}$ lbs.

Neumann Model M-49b Microphone System—With NN-48h power supply, C-26 interconnect cable, MZ-49 sus- **\$495.00** pension, etc. Net Each.

Neumann Model M-50b Microphone System—Same as M-49b, but frequency sensitivity and the field pattern subtly modified to match room-sound characteristics of large halls. Net. **\$485.00**

FULL ELASTIC SUSPENSION UNITS

These units, uniquely designed to float the microphone in a rubber truss system, guard against impact noise, building noise, footsteps and similar noise sources.

Neumann Model Z-38 Suspension—For use with KM-52, 50, 64 or KM-56 microphones. Net Each. **\$25.00**

Neumann Model Z-48 Suspension—For use with U-67 microphone system. Net Each. **\$32.50**