



## *the Mystique of Open-Aire Sound*

Do away with the heavy, "closed-in" feel of conventional headphones. The sensational new OPEN-AIRE HD-414 headphones by Sennheiser offer an entirely new approach to high-fidelity listening. They deliver their sound not only directly through the earpieces, but also through the air around you...immersing you in sound that is breathtakingly real. Experience the "natural" sound of Sennheiser! Surround yourself with beautifully life-like timbre and lustre, without losing touch with the world. Who said you have to be isolated from family and friends while listening?

- Unique "open-acoustics" design lets you hear through...and beyond...the earphones
- Light-as-a-feather foam ear cushions replace heavy, air-tight seals for unprecedented user comfort
- True-fidelity reproduction from 20 to 20,000 Hz
- Connects directly to either high or low impedance outputs
- Professional quality for only \$29.95.

**the OPEN-AIRE HD-414 HEADPHONE by SENNHEISER**



# SENNHEISER

**ELECTRONIC CORPORATION (NY)**

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Manufacturing Plant: Bissendorf/Hannover, West Germany

# "Open-Aire" HD-414 Headphone by SENNHEISER

Among the great variety of headphones available at your Audio dealer, the "OPEN-AIRE" model HD-414 by SENNHEISER clearly stands out. WHY?

SENNHEISER combined their many years' experience as a manufacturer of high-quality acoustic equipment with ingenuity, intense research, a revolutionary technological break-through, space-age materials and styl-

## How It Got That Way

The revolutionary feature of the OPEN-AIRE is the unique SENNHEISER design which produces outstanding acoustical performance, and at the same time drastically reduces the weight and bulk of the headset. SENNHEISER engineers scored a technological break-through by developing a unit which eliminates the need for closed cavities on either side of the earphone diaphragms, and for air-tight seals against the wearer's ears...heretofore considered essential for high-quality stereo reproduction.

The result is the "OPEN-AIRE" HD-414...an extraordinarily light-weight, comfortable unit which provides dramatically natural, distortion-free sound reproduction from 20 to 20,000 Hz.

Because the light-weight HD-414 headphones do not need to be tightly sealed against the ears, soft and comfortable foam rubber cushions are used on the ear pieces instead of the

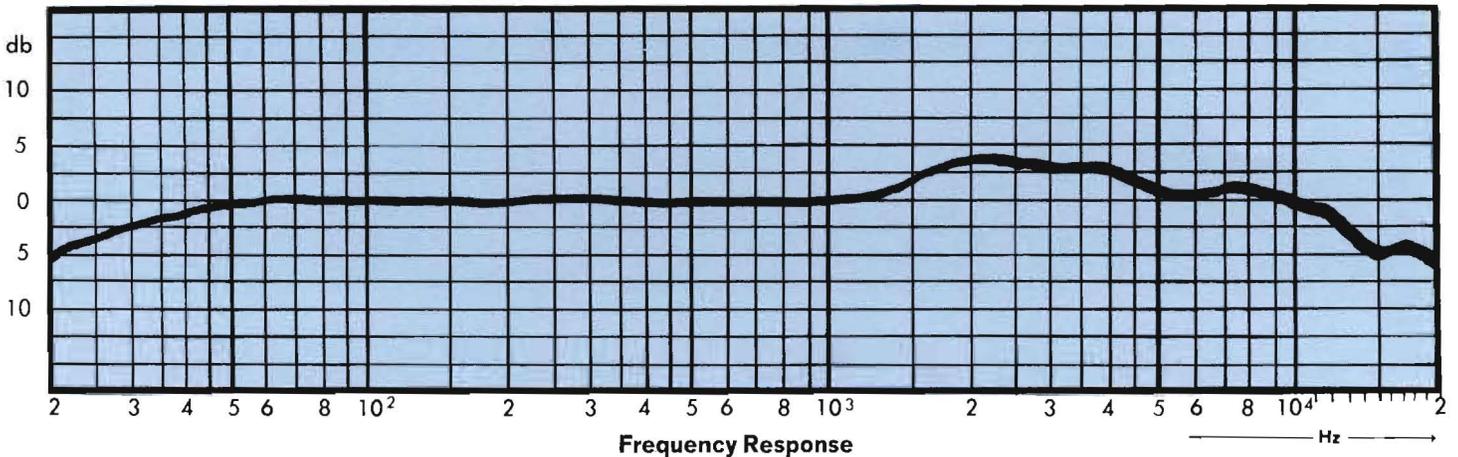
ish design to produce a new concept in headphones. Acoustic superiority and wearing comfort were put above all other considerations...the result is an instrument which provides a hearing sensation that can only be compared to the sound experienced in a concert hall.

When you listen with the extraordinary "OPEN-AIRE" HD-414, you forget you're wearing an electronic device...you're aware only of pure listening pleasure.

usual bulky air-tight seals. There is no uncomfortable pressure on the wearer, so often associated with conventional headsets...which require that the user be "isolated" from his surroundings for proper performance. Since the design of the OPEN-AIRE headset eliminates the need for such isolation, at low earphone sound levels the listener can hear ambient as well as reproduced sound...a distinct advantage in teaching, broadcasting and many other applications. At higher earphone sound levels, surrounding sounds are effectively blocked out, without any distortion of the reproduced sound.

The OPEN-AIRE headset is of simple, rugged modular design and construction; all major parts including high-impact plastic headband, earpieces, dynamic elements and cords are easily replaceable as units, without the need for tools, special knowledge or skills.

## Technical Data:



- Frequency range..... 20 to 20,000 Hz
- Normal power requirement..... 1 mW per channel (1.41V) for a sound pressure level of 102 db
- Distortion at 1,000 Hz..... Less than 1% at 240 mW (22V) resulting in a sound pressure level of 122 db
- Impedance..... 2,000 ohms per channel; can be connected directly to either high or low-impedance outputs
- Sensitivity..... 17.7  $\mu$ bar per volt
- Weight..... 5 ounces without cord
- Cord..... 10-foot cable and stereo phone plug

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