

SENNHEISER
electronic



Lavalier Microphone, Model MD 214 N

The MD 214 N is a lavalier microphone especially designed for use by singers and emcees, and is worn suspended from the neck. Microphones suspended in this manner are usually handicapped by the fact that sound is radiated mainly in a straight line from the mouth, and, consequently, sounds reaching such a microphone are greatly attenuated. As a result, recordings and performances lack the "presence" which characterizes natural speech. In the MD 214 N, this difficulty is surmounted by the use of internal high-frequency preemphasis, which restores "live" quality to the sound, despite the microphone's position with respect to the mouth. This makes faithful voice reproduction possible without the use of bulky floor microphones, which restrict the performer's movements, and are impractical in many TV and radio broadcast applications.

Although the way the MD 214 N is worn is excellent from the viewpoint of convenience, it introduces a further danger — that of mechanical noise produced when the microphone rubs against clothing, or the performer moves about. This problem was solved by Sennheiser in the construction of the MD 214 N, which is made with two housings.

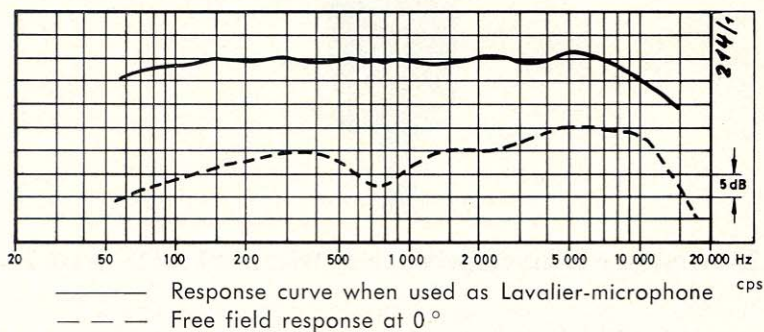
The lavalier microphone's inner housing, which contains the moving-coil transducer, has been freely suspended from the outer one, thus providing considerable mechanical isolation. All mechanical noises are thereby reduced to the point where they are no longer significant.

The MD 214 N, then, is a microphone which achieves maximum operating convenience, without sacrificing frequency response or freedom from noise.

Other features of the mechanical design are worthy of note. The neckcord is designed so that it may be quickly and noiselessly disconnected from its clip, and the rugged metal housing is finished in a durable non-glare enamel paint, which is inconspicuous and will not produce "blooming", or other lighting problems on television. An especially flexible cable, which is nonetheless quite rugged and resistant to damage produced by being stepped on, is permanently attached to the microphone.

Technical Data

Response curve obtained in anechoic chamber



Frequency response	specialy designed for lavalier applications, see response curve
Output level	59 dbm ref. to 10 dynes/cm ²
Maximum deviation from above output level and response curve	± 2.5 db
Directional characteristic	(omnidirectional)
Impedance	200 ohms
Rated matching impedance	200 ohms or more
Sensitivity to stray magnetic fields	8 μv at 50 milligauss (50 cps), max.
Climatic restrictions	impervious to extreme tropical conditions
Dimensions (without cable)	3 x 1 ¹ / ₈ x 1 ¹ / ₈ in.
Connector	Tuchel miniature T 3260
Mating connector	Tuchel T 3261/1
Pin connections	1 & 3: AF 2 & connector casing: ground and shielding

Due to our policy of continuing engineering advancement, we reserve the right to make changes in specifications without prior notice.

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