

# BEYER

## Dynamic Peak-Performance Headset DT 48



Microphones, amplifiers, and transmission systems are nowadays approaching almost distortion free performance. It has, up to now, however, not been possible to construct loudspeakers, which do justice to the quality of the other parts of the transmission system. Non-linear distortion, relatively sharp resonance peaks, and clefts in the frequency curve, as well as transient distortion, falsify the original signal even with the best loudspeakers.

Distortion free reproduction of sound transmission nowadays is possible with dynamic headphones of excellence. The BEYER DT 48 Dynamic Peak-Performance Headset is free of distortion even at high loudness levels. The frequency response encompasses the range of hearing from 20-15,000 cycles. The frequency response is free of resonant peaks and as a result, transient distortion, as well, lies below the threshold of perception. The BEYER DT 48 Dynamic Peak-Performance Headset is also used in acoustical tests and measurements. It finds its uses in recording studios and broadcasting stations for the monitoring of high quality signals. Broadcasts can be monitored with a clarity and naturalness not previously possible with loudspeakers. Even with exposure to extremes in loudness, reproduction remains distortion free in contrast to magnetic or crystal headphones. It therefore becomes possible to improve the intelligibility factor by increasing loudness under situations of high ambient noise level. As with all quality headsets, when using the BEYER DT 48 Dynamic Peak-Performance Headset it is recommended that care be taken to make sure that the headset opening itself lies directly over the ear channel, and that the rubber cushions fit tightly against the ears. Failure to observe this, will result in a decrease of high and low frequencies.

### SPECIFICATIONS:

Weight: 16 oz.

Frequency Response: 20-15000 cps. down  $< 7$  db @ 15,000 cps.

Impedance: 5 ohms each side — with series connection, 10 ohms  
Can be bridged across 600  $\Omega$  at line level with transformer

### ACCESSORIES:

C-48 Extra ear cushions

TR-48 Bridging transformer 2000/5  $\Omega$  (with plugs)

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