

# DT 250 / DT 252

Studio Headphones

## FEATURES

- Closed headphone
- Good ambient noise attenuation
- Neodymium magnet system for perfect reproduction
- Soft, circumaural ear pads
- Single-sided plug-in type connecting cable
- Limiter (optional)
- DT 252 as single-sided version

## APPLICATIONS

The DT 250 is a lightweight, closed dynamic headphone, which was specially designed for studio applications.

It is featuring an efficient neodymium magnet system, a very high reproduction precision and a balanced sound. The wide transmission range between 10 - 30,000 Hz is another important feature.

The DT 250 comes with 80  $\Omega$  or 250  $\Omega$  systems.

The soft circumaural earcups offer a high wearing comfort and excellent ambient noise insulation. The padded headband is fully adjustable and can be adapted to each head size. The connecting cables to the earcups run safely in the headband.

The main connecting cable is single-sided, plug-in type with a golden combi 1/4"/mini jack plug. All parts are easy to replace.

The DT 252 is the single-sided version of the DT 250. This headphone is recommended for all broadcasting and theatre applications where the ambient contact is essential.

## VERSIONS

|            |  |                 |
|------------|--|-----------------|
| DT 250     | Studio headphone, 80 $\Omega$ system, with WK 250.07 coiled connecting cable with gold-plated mini stereo jack plug (3.5 mm) and 1/4" adapter (6.35 mm). . . . . | Order # 442.844 |
| DT 250     | same as above, but 250 $\Omega$ system. . . . .  | Order # 443.530 |
| DT 252     | same as above, but single-sided version, 80 $\Omega$ , with WK 250.07 coiled cable . . . . .   | Order # 445.177 |
| DT 250 LTD | Studio headphone, 80 $\Omega$ , black, with limiter and cable. . . . .   | Order # 497.924 |
| DT 250 LTD | Studio headphone, 250 $\Omega$ , black, with limiter and cable. . . . .  | Order # 497.142 |
| DT 252 LTD | Single-ear studio headphone, 80 $\Omega$ , black, with limiter and cable . . . . .   | Order # 497.266 |



## TECHNICAL SPECIFICATIONS

|  |  |
|--|--|
| Transducer type . . . . .                      | Dynamic  |
| Operating principle . . . . .                  | Closed   |
| Transmission range . . . . .                   | 10 - 30,000 Hz                                   |
| Nominal impedance . . . . .                    | 80 $\Omega$                                      |
| Nominal sound pressure level at 1 kHz. . . . . | 100 dB SPL at<br>1 mW = 0.28 V to<br>80 $\Omega$ |
| T.H.D. . . . .                                 | < 1%   |
| Nominal power rating . . . . .                 | 100 mW = 118 dB<br>= 2.8 V to 80 $\Omega$        |
| Sound coupling to the ear . . . . .            | Circumaural                                      |
| Ambient noise insulation . . . . .             | approx. 16 dBA                                   |
| Average pressure on ears. . . . .              | 4.5 N  |
| Weight without cable . . . . .                 | 240 g (DT 250)<br>170 g (DT 252)                 |
| Cable length . . . . .                         | 3 m  |

## OPTIONAL ACCESSORIES

|          |                            |                 |
|----------|----------------------------|-----------------|
| K 190.00 | Bare-ended cable . . . . . | Order # 431.575 |
|----------|----------------------------|-----------------|

## SPARE PARTS

|            |   |                 |
|------------|---|-----------------|
| EDT 250 V  | Ear pads, velours, circumaural . . . . .  | Order # 942.704 |
| EDT 250 S  | Ear pads, soft PVC, circumaural . . . . .   | Order # 943.549 |
| WK 250.07  | Coiled connecting cable with gold-plated mini stereo jack plug and 1/4" adapter (6.35 mm) . . . . . | Order # 442.070 |
| BN 59-59/A | Headband pad . . . . .  | Order # 503.886 |

# DT 250 / DT 252

## WIRING DIAGRAM

