

DT 790

Headset with dynamic microphone
for use in loud environments

FEATURES

- Excellent ambient noise attenuation
- High-quality dynamic hypercardioid microphone with very high gain-before-feedback
- Pivotal, flexible gooseneck for optimal positioning with shock-mounted microphone
- Robust, serviceable design as all parts are replaceable
- Single-sided connecting cable
- Closed headphone
- Rugged headband construction
- Adjustable, soft padded headband
- Circumaural leatherette ear pads

DESCRIPTION

The DT 790 headset is a perfect combination of the closed DT 770 M headphone, the high-quality microphone of the DT 290 headset and a new, pivoting gooseneck microphone boom. This headset has been developed for intercom purposes in very loud surroundings such as concerts, sporting events etc., where ambient noise attenuation, durability and comfort are of utmost importance.

The powerful headphone systems with a frequency response of 5 – 30.000 Hz provide a perfect reproduction and a balanced sound characteristic. The noise attenuating housing and the soft, circumaural leatherette ear pads provide an excellent isolation from ambient noise. The new, pivoting gooseneck microphone boom can be set into any required position so that the microphone can be used from the right or left hand side. When not in use, the microphone can be turned to the upper position. The dynamic hypercardioid microphone ensures an extremely high gain-before-feedback and noise cancellation. In order to avoid damages, the cables in the headband and gooseneck boom are covered. The single-sided cable is available with different connectors allowing all required connections.

VERSIONS

DT 790.00	80 Ω, 1.5 m (4.92 ft) cable, bare ended	Order # 488.747
DT 790.28	80 Ω, 1.5 m (4.92 ft) cable, 4-pin female XLR connector . .	Order # 488.755



TECHNICAL SPECIFICATIONS

Headphone

Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 – 35,000 Hz
Nominal impedance	80 Ω / system
Nominal input voltage	2.8 V (= 100 mW at 80 Ω) = 120 dB SPL
Nominal sound pressure level at 1 kHz . .	100 dB SPL at 1 mW = 0.28 V at 80 Ω
T.H.D.	< 0.2%
Power handling capacity	100 mW = 120 dB = 2.8 V at 80 Ω
Ambient noise attenuation	approx. 35 dBA
Average pressure on ears	5.5 N
Weight without cable	470 g (1.04 lb)

Microphone

Transducer type	Dynamic
Frequency response	40 – 12,000 Hz
Polar pattern	Hypercardioid
Output voltage at a distance of 5 cm . . .	approx. 1.3 mV/Pa
Outer diameter	approx. 23.2 mm
Nominal impedance	200 Ω
Nominal load impedance	≥ 1000 Ω
Weight	40 g (0.09 lb)

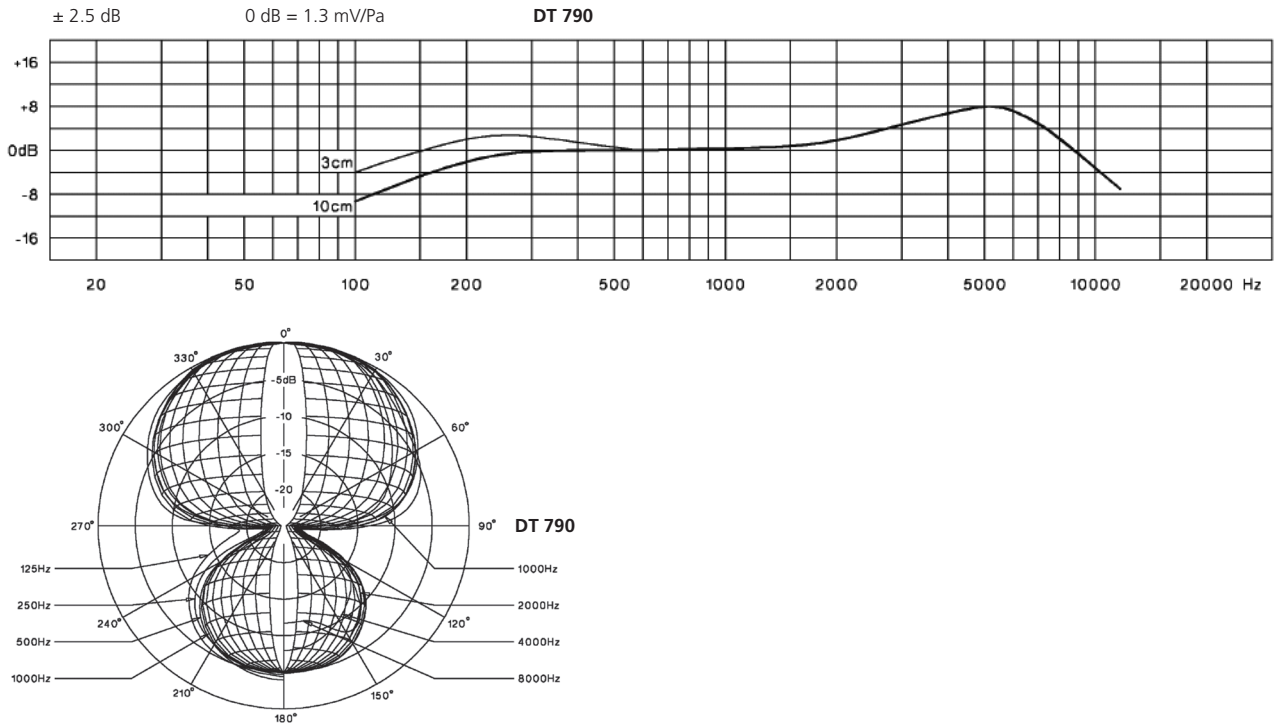
SPARE PARTS

BN 59-53/A	Headband pad	Order # 340.502
EDT 550 S	Ear pads, leatherette	Order # 907.119
WS 97 AZ	Wind shield, charcoal-grey	Order # 465.313

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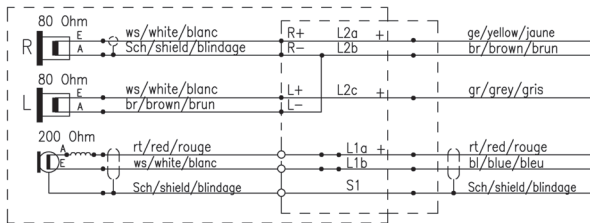
FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for the microphone of this headset.



WIRING DIAGRAMS

DT 790.00



DT 790.28

