

DT 190

Headset with
dynamic Microphone

Order # 455.830



FEATURES

- Noise cancelling microphone and high SPL capability
- Excellent isolation from ambient noise
- Modular design for easy servicing
- Rugged construction

APPLICATIONS

The DT 190 is a closed headset with the addition of the DM 190 dynamic, hypercardioid microphone. The DT 190 have been designed for broadcasting, monitoring and communication purposes such as commentating at sports events or for intercom systems at live concerts and other situations which require precise audio performance.

The DM 190 is a balanced, noise cancelling microphone and is mounted on a fully adjustable boom allowing accurate positioning for optimum sound and minimal explosive "p" popping.

SUPPLIED ACCESSORY

K 190.00 Straight cable, 1.5 m, bare-ended Order # 431.575

OPTIONAL ACCESSORIES

K 190.00 Straight cable, 3 m, bare-ended Order # 441.937
K 190.28 Straight cable, 1.5 m, with 4-pin XLR socket Order # 445.304
K 190.40 Straight cable, 1.5 m, with 3-pin XLR plug and 1/4" stereo jack Order # 445.894
K 190.40 same as above, but 3 m long Order # 446.750
K 190.41 Straight cable, 1.5 m, with 5-pin XLR plug Order # 445.312
WK 190.00 Coiled cable, bare-ended Order # 448.176

SPARE PARTS

DT 150 S Ear pads, soft PVC, circumaural Order # 431.532
BN 59-58/A Headband pad Order # 377.163
BN 56-79/A Pop screen (5 x) Order # 108.677

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TECHNICAL SPECIFICATIONS

Headphone

Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance	250 Ω
Nominal SPL at 1 kHz	97 dB SPL at 1 mW $\hat{=}$ 0.5 V at 250 Ω
T.H.D.	\leq 0.2%
Power handling capacity	100 mW $\hat{=}$ 117 dB SPL $\hat{=}$ 5 V at 250 Ω
Ambient noise attenuation	approx. 20 dBA
Sound coupling to the ear	Circumaural
Headband pressure	4.5 N
Weight (without cable)	350 g

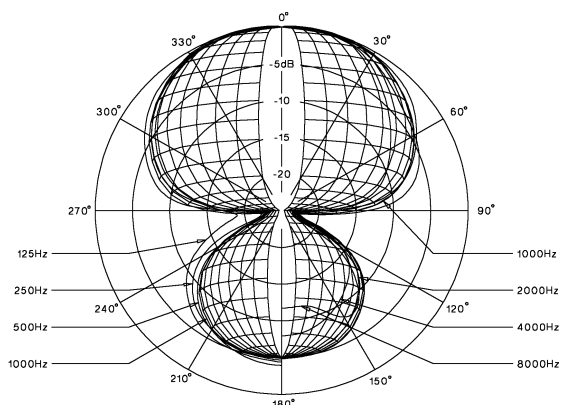
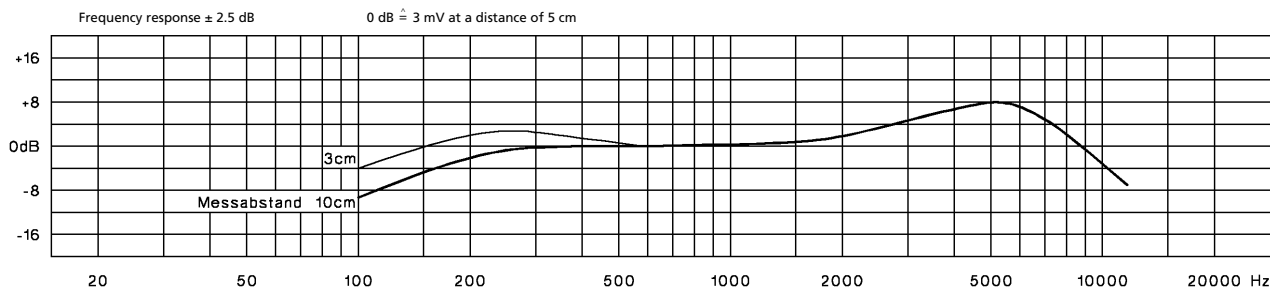
Microphone

Transducer type	Dynamic
Operating principle	Pressure gradient
Frequency response	40 - 12,000 Hz
Polar pattern	Hypercardioid
Noise suppression	$>$ 30 dB
Output voltage when used at a distance of 5 cm	approx. 3 mV
Nominal output impedance	approx. 200 Ω

(all specifications according to EN 60268-7)

FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (measuring tolerance \pm 2.5 dB) correspond to typical production run specifications for this microphone.



WIRING DIAGRAM

