HOLMCO

Series PD-95

Supra-aural Headphones for pure-tone-air conduction audiometers and speech audiometers

- ***Construction corresponding to DIN ISO 389 (Add. 1-1983), section 3***
- ***Certificate of conformity: PTB No. 1.51-122/91***

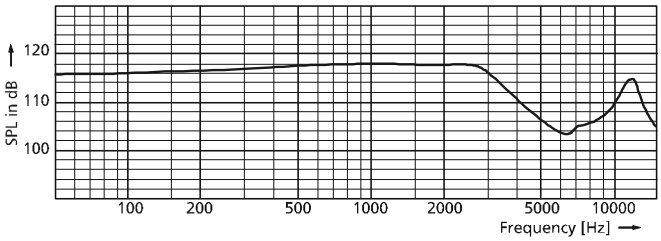
Technical specification

Housing	shock-proof plastic housing
Colour	grey
Colour markings on earcups	right = red, left = blue
Application force	4.5 N ± 0.5 N at 145 mm distance between earphones and 129 mm between headband and earphone axis
Weight with cable	approx. 250 g
Terminals	coiled 35 cm, straight 150 cm, brown/white: right, green/yellow: left, ends tinned

Electroacoustic specification

Electroacoustic principle	dynamic	
DC resistance	10 Ω per capsule	
Nominal power handling capability	500 mW per capsule	*acc. to DIN EN 60268-7*
Sound pressure level	118 dB	*rel. 20 µPa, 1 kHz, 1 mW*
Attainable sound pressure level	> 130 dB at 500 mW (50 Hz up to 12 kHz)	*coupler IEC 318*
Distortion factor	< 1 % at 130 dB	*rel. 20 µPa, 1 kHz*

Frequency response



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Included in delivery **PD-95**

Headphones for Audiometry

Order details	
Headphones for Audiometry	***Part No.*** 95-01-06883

Spare parts

Ear cushion ..... ***Part No.*** 27-17-80001
Headband cushion ..... ***Part No.*** 27-17-80002

Calibration of pure-tone audiometers

By means of tables for reference threshold sound pressure levels acc. to DIN ISO 389 at coupler acc. to IEC 318

Calibration of speech audiometers

Acc. to certificate of calibration PTB Nr. 1.51-10297/91

Difference between free sound-field-transmission factor G_F and coupler-transmission factor G_K at coupler acc. to IEC 318

Frequency (Hz)	*$G_F - G_K$ (dB)*	*Standard deviation to G_F (dB)*
125	-13	4.3
160	-11	-
200	-9	-
250	-7	2.9
315	-5.5	-
400	-3.5	-
500	-2.5	1.2
630	-3	1.2
800	-2.5	1.3
1000	-0.5	1.2
1250	-0.5	2.2
1600	-5.5	2.6
2000	-10	2.2
2500	-13.5	2.5
3150	-16	3.7
4000	-17	3.3
5000	-11.5	3.1
6300	-8	4.9
8000	+4	3.6