



HS 600 DANR

Digital Adaptive Noise Reduction – Perfect Active Noise Compensation

The Digital Adaptive Noise Reduction makes the active noise compensation perfect. A microprocessor with an intelligent algorithm produces the counter sound. This innovation results in a quick adaptation to changing noise levels and a good perception of audio warnings. You will enjoy your flight, comfortable and without any stress.

- ◇ Excellent noise attenuation of approximately 40 dB due to Digital Adaptive Noise Reduction
- ◇ Audio box with integrated volume control provides connection for mobile phones or music players (supplied with two connection cables)
- ◇ Automatic reduction of telephone and music volume (mute) when Intercom signals are received (function can be switched off)
- ◇ Powered by two AA batteries inserted in the audio box with a minimum operating time of 30 hours or by the on-board power supply system (12 - 36 V DC) when using the supplied 3-pin XLR cable (delivery includes appropriate jack)
- ◇ Automatic switch-off function
- ◇ Highest wearing comfort due to light weight (approx. 325 g without cable) and low headband pressure (approx. 6.5 N)
- ◇ Ear pads and headband pad made of soft glove leather
- ◇ Noise-compensated microphone with adjustable gain, which can be worn on the left or right hand side
- ◇ Made in Germany with a five-year warranty
- ◇ Balanced sound and high reproduction precision for excellent intelligibility of speech
- ◇ Mono/stereo selection switch
- ◇ Rugged headband construction made of spring steel and soft, replaceable headband pad
- ◇ Easy servicing as all parts are replaceable
- ◇ Supplied with leather bag



HS 600 DANR

Standard Version



HS 600 DANR

Standard Version

Order # 484.911

Headphone

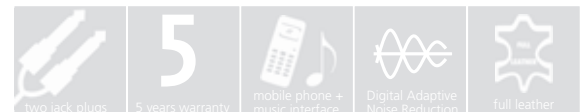
Transducer type	Dynamic
Operating principle	Closed
Frequency response	5 - 30,000 Hz
Nominal impedance mono/stereo	40 Ω / 80 Ω
Nominal SPL	105 dB
T.H.D.	< 0.2%
Power handling capacity	100 mW
Sound coupling to ear	Circumaural
Ambient noise attenuation	approx. 40 dBA
Nominal headband pressure	6.5 N

Microphone

Transducer type	Condenser (back electret)
Frequency response	400 - 15,000 Hz
Polar pattern	Cardioid
Sensitivity at 114 dB SPL	70 mV - 900 mV, adjustable
Max. SPL	120 dB
Nominal impedance	approx. 350 Ω
Current consumption	approx. 6 - 18 mA
Supply voltage	typ. 16 V DC (8 - 16 V DC, acc. to RTCA/DO 214)

General

Weight without cable / audio box	approx. 325 g
Cable length	1.80 m
Headphone connection	1/4" stereo jack plug (6.35 mm)
Microphone connection	PJ-068 jack plug
Power supply audio box	2 x 1.5 V AA batteries or rechargeable batteries, alternatively 12 - 36 V DC from aircraft system via 3-pin XLR connector
Current consumption	approx. 80 mA (when powered by batteries or rechargeable batteries) or max. 30 mA (when powered via on-board power supply system)
Operating time DANR	approx. 30 hrs. when powered by batteries or rechargeable batteries

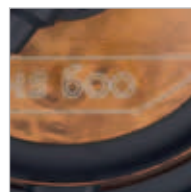
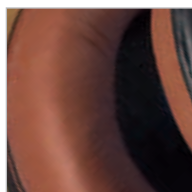
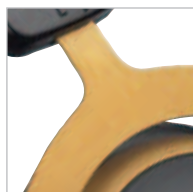
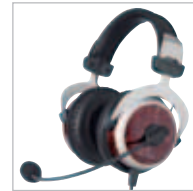
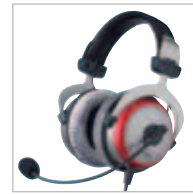
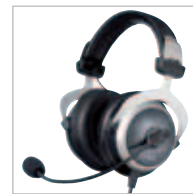


Audio box with input to connect mobile phones or music players. Two standard jack plugs to connect to the aircraft system. Battery compartment for two AA batteries for power supply or alternatively connection of the supplied cable to the power supply of the on-board system (supplied with appropriate female connector).

www.beyerdynamic.com/manufaktur

Select the look of your aviation headset! Visit our MANUFAKTUR at www.beyerdynamic.com/manufaktur and build your own HS 600 DANR and HS 300 Individual. What about ear cups in burl wood design and a black aluminium ring? In addition to this a gold anodised yoke and a cognac coloured leather headband pad? To top it off a personal two-lined text can be engraved into the holding clip. This makes your headset absolutely unique!

The MANUFAKTUR does not limit your creativity at all. Whether you choose the standard version or build your headset individually: You can order in the MANUFAKTUR or buy from one of our competent market partners. On our website you will find a list of them.



anodised yoke and aluminium ring

headband

ear pad

holding clip with individual engraving

earcup carbon design

earcup burl wood design



HS 300 INDIVIDUAL

A perfect Combination of Silence, Comfort and Design

The closed-back HS 300 INDIVIDUAL headset provides an excellent ambient noise attenuation for a safe flight. Only materials of a high quality for long-term use and comfort are used for this handmade headset.

- ◇ Ambient noise attenuation of approx. 30 dBA
- ◇ Noise-cancelling microphone with adjustable gain
- ◇ Balanced sound and high reproduction precision for excellent intelligibility of speech
- ◇ Integrated volume control
- ◇ Mono/Stereo selection switch
- ◇ Made in Germany with a five-year warranty
- ◇ Audio box to connect mobile phones or music players (supplied with 2 connecting cables)
- ◇ Automatic volume reduction of phone or music player when signals of the intercom occur (switchable function)
- ◇ Rugged headband design made of spring steel with soft, replaceable headband pad
- ◇ Light weight (approx. 325 g without cable)
- ◇ Modular construction for easy servicing
- ◇ Supplied with leather bag



HS 300 INDIVIDUAL

Standard Version



Audio box with input to connect mobile phones or music players. Two standard jack plugs to connect to the aircraft system. Battery compartment for two AA batteries.

HS 300 INDIVIDUAL

Standard Version

Order # 483.865

Headphone

Transducer type Dynamic
Operating principle Closed
Frequency response 5 - 30,000 Hz
Nominal impedance mono/stereo 40 Ω / 80 Ω
Nominal SPL 105 dB
T.H.D. < 0.2%
Power handling capacity 100 mW
Sound coupling to ear Circumaural
Ambient noise attenuation approx. 30 dBA
Nominal headband pressure 8 N

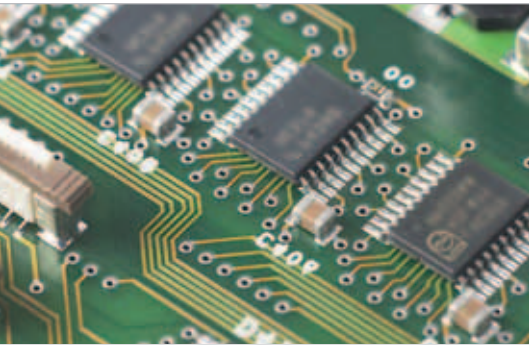
Microphone

Transducer type Condenser (back electret)
Frequency response 400 - 15,000 Hz
Polar pattern Cardioid
Sensitivity at 114 dB SPL 70 mV - 900 mV, adjustable
Max. SPL 120 dB
Nominal impedance approx. 350 Ω
Current consumption approx. 6 - 18 mA
Supply voltage typ. 16 V DC
(8 - 16 V DC, acc. to RTCA/DO 214)

General

Weight without cable / audio box approx. 325 g
Cable length 1.80 m
Headphone connection 1/4" stereo jack plug (6.35 mm)
Microphone connection PJ-068 jack plug
Music player / mobile phone 1/8" jack socket (3.5 mm / 4-pole)





DANR

Digital Adaptive Noise Reduction



Digital Adaptive Noise Reduction

is a new generation of active noise attenuation. By using the DANR software, a microprocessor generates a phase-inverse counter sound, which eliminates the noise signal. The HS 600 DANR with digital noise attenuation is superior to standard analogue systems as it can adapt to different noise frequencies from a wider frequency band. It does without generating a background noise. Whether the aircraft is powered by a low-rotating piston engine or turbo jet engine, the headset adapts to any noise level. By using DANR, audio warnings are perceived much better, because the background noise is reduced and not the audio warning.



The basic equipment of the HS 600 DANR provides ear pads and a headband pad made of soft glove leather making the HS 600 DANR extremely comfortable in conjunction with the low headband pressure (6.5 N) and the lightweight of only 325 g.



5

5 years warranty



mobile phone +
music interface



full leather



For more than 80 years beyerdynamic has been a synonym for innovative and state-of-the-art audio systems. The Premium products are manufactured at Heilbronn in Germany. Craftsmanship and flexibility ensure high quality and customised headsets, which can be configured via the MANUFAKTUR are also available.



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