

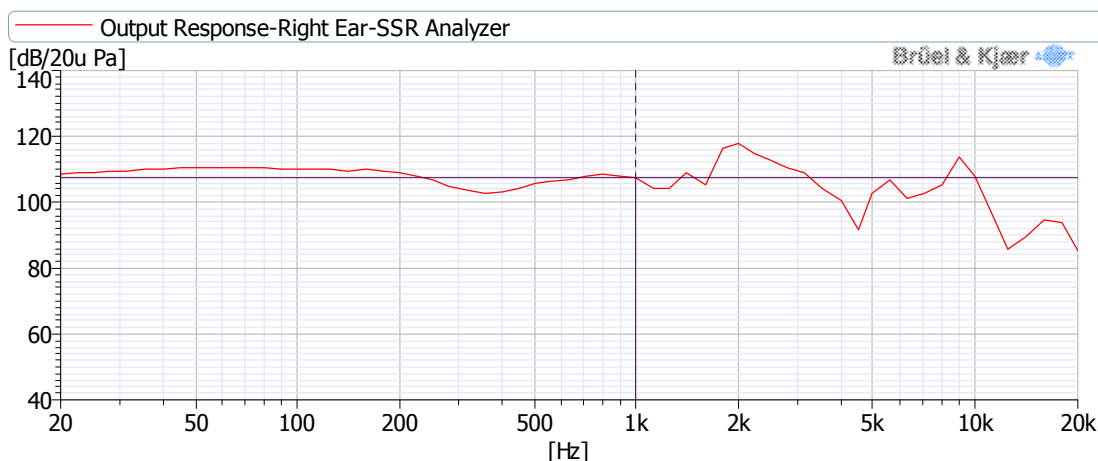


Soulmate

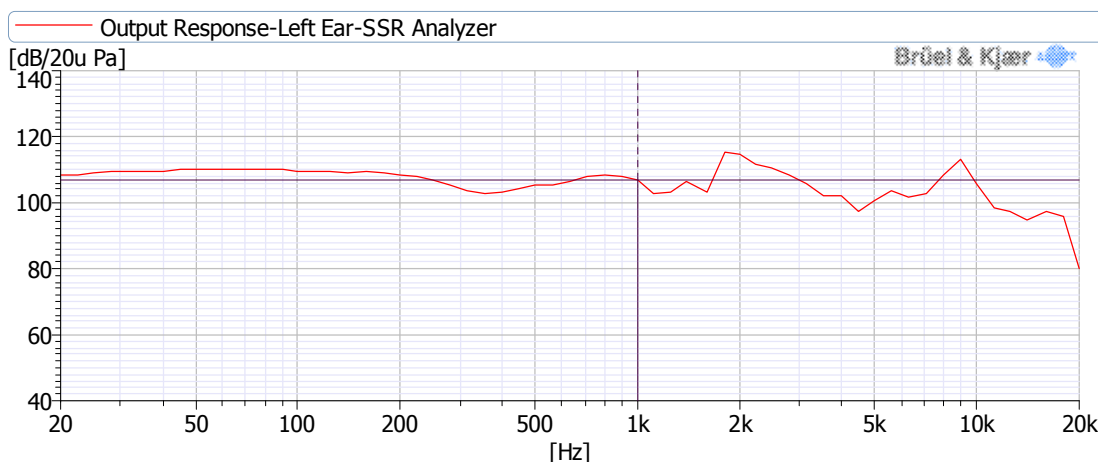
Professional Headphones

supplied with both 1.2 and 2.1 mtr cables
adaptor connector from 3.5 to 6.3mm

Soulmate (50mm 32 ohm V=179mV)



Cursor values
X: 1.000k Hz
Y: 107.498 dB/20u Pa



Cursor values
X: 1.000k Hz
Y: 107.038 dB/20u Pa

1.0 General Specification

1.1	Model No.	Soulmate
1.2	Driver Unit	Dia.50mm Cobalt magnet
1.3	Driver Impedance	$32\Omega \pm 10\%$
1.4	Ear cushion	Leatherette
1.5	Cord Material	TPE
1.6	Cord Diameter	Dia.3.0mm
1.7	Cord Length	$122 \begin{smallmatrix} +5 \\ -0 \end{smallmatrix}$ CM (2 cords)
1.8	Plug Type	3.5mm and adaptor to 6.3mm Stereo Gold Plug (S40)
1.9	Packing	Gift Box

2.0 Testing Equipmemt and Condition

2.1	Measuring Instrument	B&K 3560B /Head & Torso 4128C
2.2	Temperature	25
2.3	Humidity	65 %
2.4	Atmosphere Pressure	1 atm

3.0 Electrical Characteristics(Product)

3.1	Operation	Input Voltage: 0.179V sine wave
3.2	Driver Impedance	$32\Omega \pm 10\%$
3.3	Normal Input	30mW
3.4	Max. Power	100mW
3.5	Sensitivity	$107 \pm 3\text{dB}$ at 1 kHz S.P.L
3.6	Frequency Response	20 Hz -20 kHz (Ref. Appendix 2)
3.7	Channel Balance	3 dB at 1 kHz S.P.L
3.8	Polarity	With positive voltage applied to +'' terminal, the cone Should move away from pole piece.
3.9	Buzz & Rattle Test	Should be normal at 30mW sine wave from 50Hz-5kHz

4.0 Environmental Characteristics

4.1	Operation temperature	-20° C to + 60° C , without loss of function
4.2	Storage temperature	-40° C to + 70° C , without loss of function
4.3	Storage Humidity	OP to 90% R.H, without loss of function

5.0 Mechanical Characteristics

	Cord Bending Test	Requirement	Testing Condition	Testing Result
5.1	Plug	Over 5000 cycles	1) Bending Angle:"90° 2) Bending Spend: 30 cycles/min 3) Loading: 500g 4) Room Conditions	Test end at 5000 cycles with no abnormal change on test object
	Pull Strength Test	Requirement	Testing Condition	Testing Result
5.2	Plug	No abnormal change on test object under the following condition	at vertical 180° 7kg for 1 min	no abnormal change on test object
	Twist Test	Requirement	Testing Condition	Testing Result
5.3	Whole Wire	Over 2000 cycles	1) Twist Angle: 180° 2) Twist Speed: 30 cycles/min 3) Loading:200g	Test end at 2000 cycles with no abnormal change on test object
	Headset to Wire	Over 2000 cycles	1) Twist Angle: 180° 2) Twist Speed: 30 cycles/min 3) Loading:200g	Test end at 2000 cycles with no abnormal change on test object
	Plug to Wire	Over 2000 cycles	1) Twist Angle: 180° 2) Twist Speed: 30 cycles/min 3) Loading:200g	Test end at 2000 cycles with no abnormal change on test object
	Drop Testing Condition			Testing Result
5.4	Testing object drop freely from 75cm height on to a concrete floor surface.			All function element and parameters remain within specification.