



DEGO

Definition of Sound

Master 3000 MR 80

HIGH TECH ALUMINIUM CONE DRIVER

Instruction manual for Midrange set

Article-No. 970 0074 00

Master Series

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO reference midrange MASTER 3000 MR.

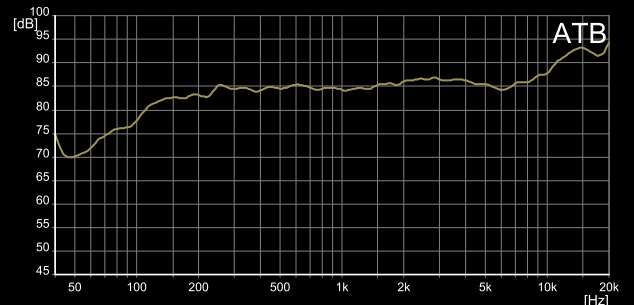
The totally new developed aluminium cone with R.A.C.E technology, a strong neodymium magnet, optimized rubber surround, vented basket and outstanding pillar design makes the reference DEGO Master midrange one of the finest speakers in German engineering.



MASTER 3000 MR SPECIFICATIONS

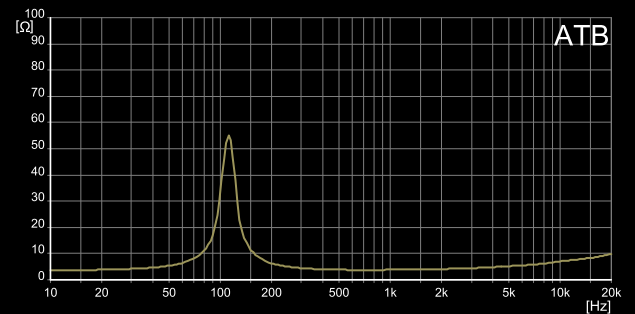
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.10	mH
Voice coil diameter		25	mm
Voice coil height		6.5	mm
Height of gap		4	mm
Linear excursion		± 1.25	mm
Max. mech. excursion		± 6.5	mm

Frequency response [1W/1m]



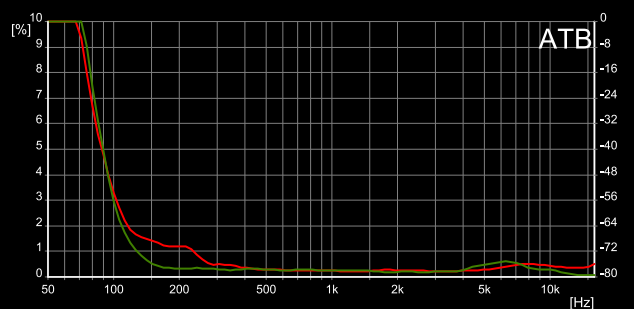
Resonance frequency	f_s	110	Hz
Mechanical Q factor	Q_{rms}	9.95	
Electrical Q factor	Q_{es}	0.53	
Total Q factor	Q_{ts}	0.51	

Impedance



Moving mass	M_{ms}	3.28	g
Effective piston area	S_d	34.8	cm ²
Mechanical resistance	R_{ms}	0.23	Kg/s
Compliance	C_{ms}	0.64	mm/N
Force factor	Bl	3.81	Tm
Equivalent air volume	V_{as}	1.08	dm ³
Efficiency	η	0.26	%
SPL 1W/1m		86.2	dB
SPL 2.83V/1m		89.9	dB

Harmonic Distortion [1W/1m]



Designed, engineered & manufactured in Germany

MASTER 3000 MR SPECIFICATIONS

Midrange	80	mm
Impedance	4	Ω
Nominal Power	40	W
Peak Power	65	W
Frequency Response	200 - 15K	Hz
Sensitivity 1W/1m	90	db

Mounting depth	40.5	mm
Outside diameter	91.5	mm
Mounting diameter	75	mm

