



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.

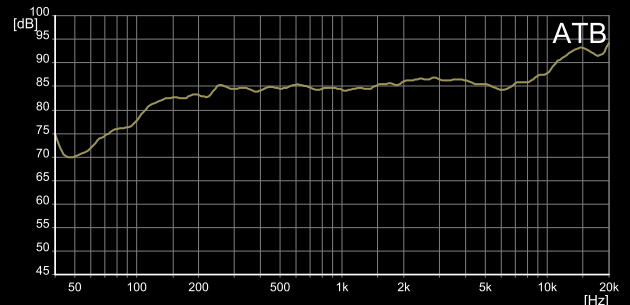
The totally new developed aluminium cone with R.A.C.E technology, a strong neodymium magnet, optimized rubber surround, vented basket and outstanding pillar design makes the reference DEGO Master midrange one of the finest speakers in German engineering.



## MASTER 3000 MR SPECIFICATIONS

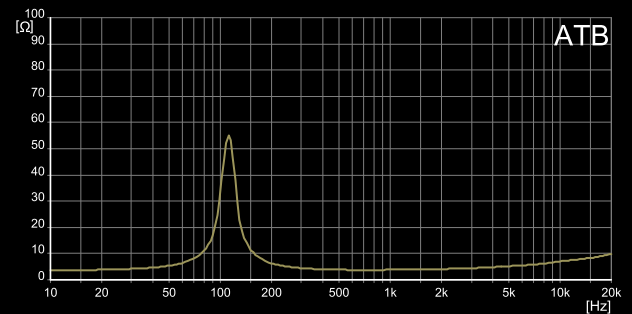
DC resistance	$R_e$	3.4	$\Omega$
Nominal impedance	$Z_N$	4	$\Omega$
Voice coil inductance	$L_e$	0.10	mH
Voice coil diameter		25	mm
Voice coil height		6.5	mm
Height of gap		4	mm
Linear excursion		$\pm 1.25$	mm
Max. mech. excursion		$\pm 6.5$	mm

Frequency response [1W/1m]



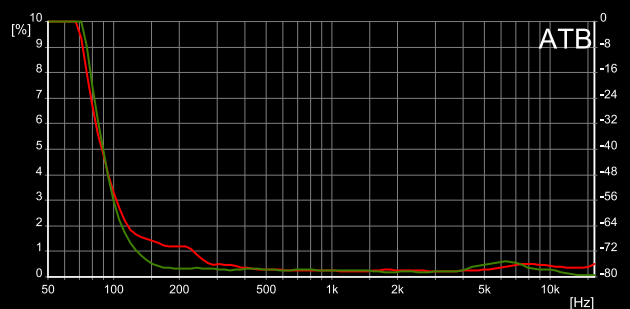
Resonance frequency	$f_s$	110	Hz
Mechanical Q factor	$Q_{rms}$	9.95	
Electrical Q factor	$Q_{es}$	0.53	
Total Q factor	$Q_{ts}$	0.51	

Impedance



Moving mass	$M_{ms}$	3.28	g
Effective piston area	$S_d$	34.8	cm <sup>2</sup>
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 <sup>3</sup>
Efficiency	$\eta$	0.26	%
SPL 1W/1m		86.2	dB
SPL 2.83V/1m		89.9	dB

Harmonic Distortion [1W/1m]



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MASTER 3000 MR SPECIFICATIONS

Midrange	80	mm
Impedance	4	$\Omega$
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

