



DEGO

*Definition of Sound*

Master 3000 MR

HIGH TECH ALUMINIUM CONE DRIVER

Owner's manual for the Midrange set

Master SERIES

Designed, engineered & manufactured in Germany

# CONGRATULATIONS!

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

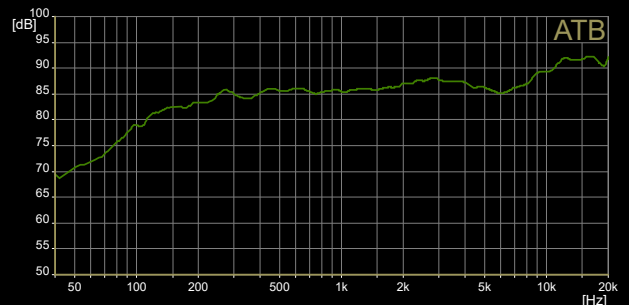
The totally new developed aluminium cone with R.A.C.E technology a strong neodymium magnet, optimized rubber surround, vented basket and outstanding pillar design makes the DEGO reference midrange one of the finest speakers in German engineering.



## MASTER 3000 MR SPECIFICATIONS

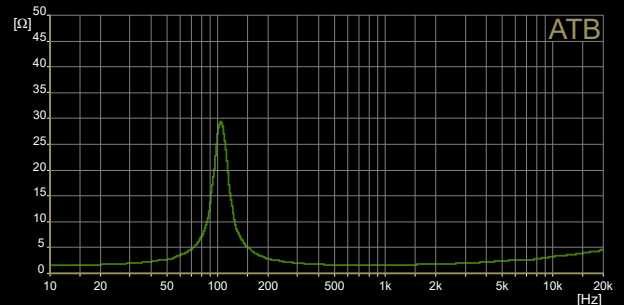
DC resistance	$R_e$	3.3	$\Omega$
Nominal impedance	$Z_N$	4	$\Omega$
Voice coil inductance	$L_e$	0.11	mH
Voice coil diameter		25	mm
Voice coil height		6.5	mm
Height of gap		4	mm
Linear excursion		$\pm 1.25$	mm
Max. mech. excursion		$\pm 6.5$	mm

Frequency response [1W/1m]



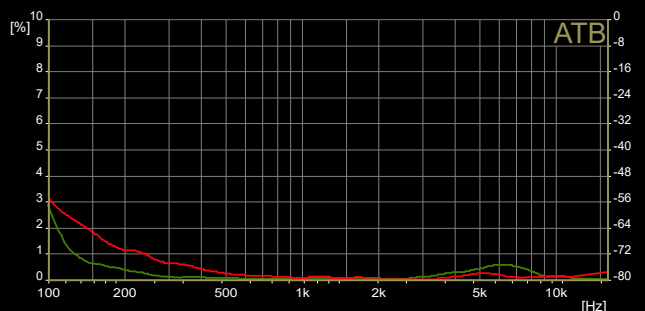
Resonance frequency	$f_s$	104.58	HZ
Mechanical Q factor	$Q_{rms}$	9.8	
Electrical Q factor	$Q_{es}$	0.46	
Total Q factor	$Q_{ts}$	0.44	

Impedance



Moving mass	$M_{ms}$	3.16	g
Effective piston area	$S_d$	35	cm <sup>2</sup>
Mechanical resistance	$R_{ms}$	0.21	Kg/s
Compliance	$C_{rms}$	0.73	mm/N
Force factor	BL	3.85	Tm
Equivalent air volume	$V_{as}$	1.26	dm <sup>3</sup>
Efficiency	$\eta$	0.3	%
SPL 1W/1m		86.77	dB
SPL 2.83V/1m		90.62	dB

Harmonic Distortion [1W/1m]



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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

