



DEGO

*Definition of Sound*

Master 3000 Ti 25

SPECIALLY COATED FABRIC DOME DRIVER

Instruction manual for Tweeter set

Article-No. 970 0076 00

Master Series

Designed, engineered & manufactured in Germany

# CONGRATULATIONS!

You have just purchased the DEGO Reference Tweeter Master 3000 Ti.

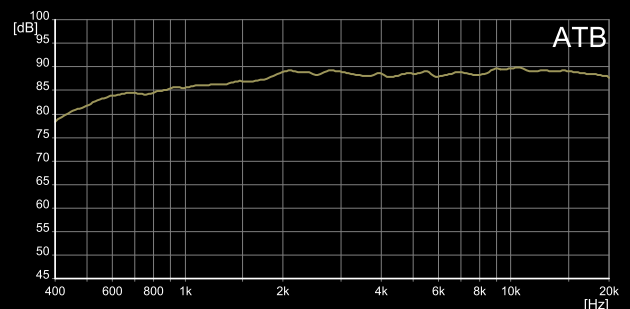
It features a 25 mm specially treated silk dome, a vented pole piece and a strong neodymium magnet with added volume in a particularly installation-friendly option. The outstanding pillar design and emerging sound stage makes it one of the finest speakers in German engineering.



## MASTER 3000 Ti SPECIFICATIONS

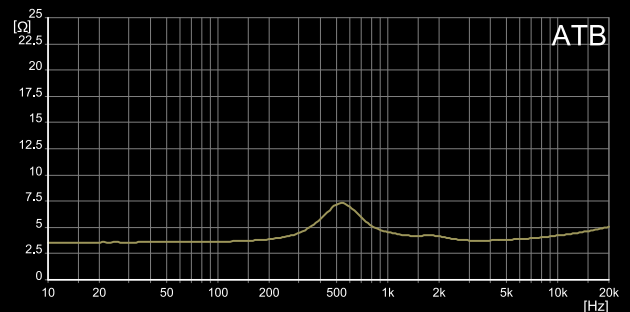
DC resistance	$R_e$	3.4	$\Omega$
Nominal impedance	$Z_N$	4	$\Omega$
Voice coil inductance	$L_e$	0.03	mH
Voice coil diameter		25	mm
Voice coil height		1.4	mm
Height of gap		2	mm
Linear excursion		$\pm 0.3$	mm

Frequency response [1W/1m]



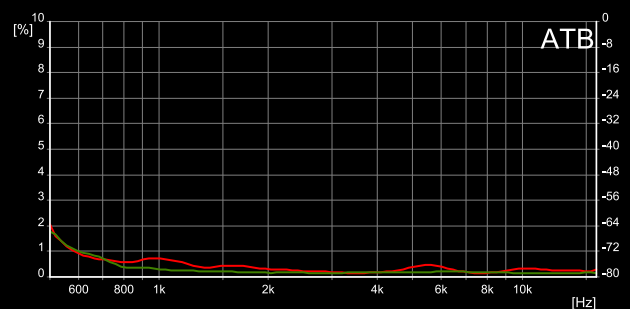
Resonance frequency	$f_s$	568	Hz
Mechanical Q factor	$Q_{rms}$	1.35	
Electrical Q factor	$Q_{es}$	0.74	
Total Q factor	$Q_{ts}$	0.48	

Impedance



Moving mass	$M_{ms}$	0.30	g
Effective piston area	$S_d$	7.07	cm <sup>2</sup>
Mechanical resistance	$R_{ms}$	0.79	Kg/s
Compliance	$C_{ms}$	0.26	mm/N
Force factor	$Bl$	2.23	Tm
Equivalent air volume	$V_{as}$	0.019	dm <sup>3</sup>
Efficiency	$\eta$	0.45	%
SPL 1W/1m		88.7	dB
SPL 2.83V/1m		92.4	dB

Harmonic Distortion [1W/1m]



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**MASTER 3000 Ti SPECIFICATIONS**

Tweeter	25	mm	Mounting depth	28.9	mm
Impedance	4	Ω	Outside diameter	68	mm
Nominal Power *	80	W	Mounting diameter	47	mm
Peak Power	120	W			
Frequency Response	1.5 - 23	kHz			
Sensitivity 1W/1m	88	db			

\* Filter: 2. order HP Butterworth 2.5 kHz

