

PUBLIC ADDRESS / SPEAKERS / SURFACE

# SONORA-4TN

100 V LINE TRANSFORMER AND LOW IMPEDANCE SURFACE SPEAKER



IP66

- ✓ Crisp, distortion-free sound
- ✓ Excellent finish and elegant design
- ✓ IP-66 protection and salt fog
- ✓ Quick and easy installation



+ Info:

<https://fonestar.com/SONORA-4TN>

ESPECIALLY RECOMMENDED IN:



Hospitality



Education



Hotels



All sectors

## DESCRIPTION

Sound reinforcement loudspeaker with 100 V line transformer and low impedance. Based on our extensive experience in the sound sector, FONESTAR has created SONORA. SONORA is a series of speakers specially designed for PA, musical and background sound applications. Its excellent finish and elegant design allow perfect integration in any space. They are fully prepared for outdoor use as they feature aluminium grille and protection against water (IP-66) and marine environments. Besides, SONORA delivers high sound quality with clear, distortion-free sound. They include all the necessary accessories for easy and quick installation: weatherproofed adjustable fixing mount, stainless steel screws and steel safety cable. For public address and ambient sound applications in public places such as restaurants, cafés, supermarkets, shopping centres, etc.

## TECHNICAL CHARACTERISTICS

FEATURES	Low-impedance loudspeaker with 100 V line transformer. Prepared for outdoor use, waterproof and rustproof materials.
POWER	60 W max., 30 W RMS
LOUDSPEAKERS	1 x 4" polypropylene woofer 1 x 1" tweeter
RESPONSE	120-20,000 Hz
IMPEDANCE	30 W RMS@100 V (333 Ohm) 15 W RMS@100 V (667 Ohm) 7.5 W RMS@100 V (1,333 Ohm) 3.75 W RMS@100 V (2,667 Ohm) Low Z: 8 Ohm
SENSITIVITY	84.9 dB @ 1 W/1 m
MAXIMUM SOUND PRESSURE	97.6 dB @ máx. W/1 m
COVERAGE ANGLE	H/V: 215°/225° @500Hz, 145°/130°@1kHz, 115°/120°@2kHz, 80°/110°@4kHz (-6 dB)
PROTECTION	IP-66 in compliance with EN 60529 IEC 60068-2-11 Environmental tests (Saline mist)
MATERIAL	ABS (UV resistance) Aluminium mesh grille, with powder-coated finish Weather-resistant mount Stainless steel screws
SWITCH	W selector in high Z and low Z



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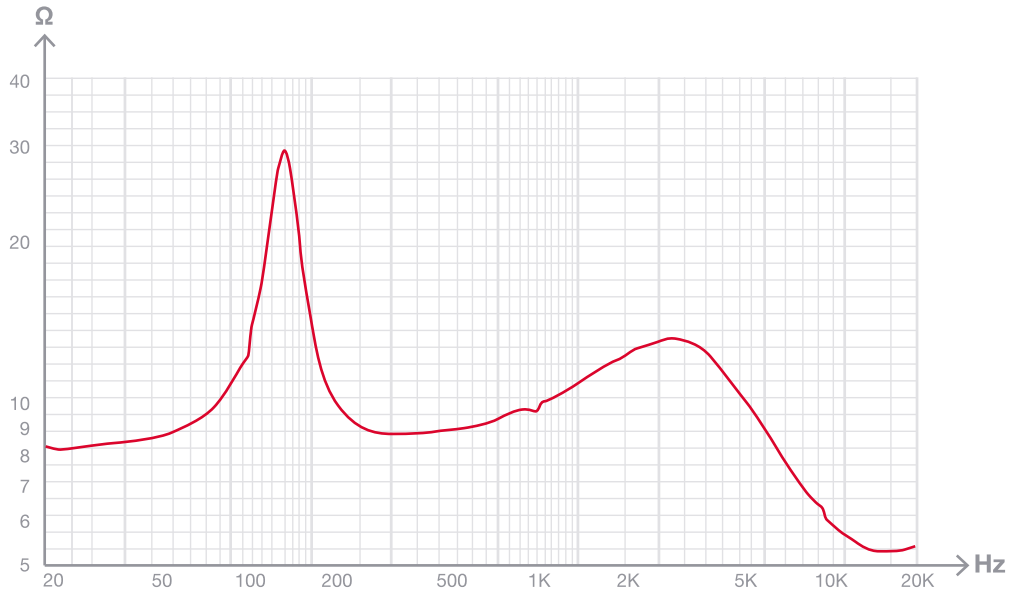
CONNECTORS	Euroblock in and out for cable 0.25 - 2.5 mm <sup>2</sup> cross section
TEMPERATURE RANGE	-10°C ~ 60°C
COLOUR	Black (RAL 9005)
DIMENSIONS	Loudspeaker: 125 x 202 x 125 mm depth Mount wall plate: 68 x 110 mm Loudspeaker with mount: 193 mm depth
WEIGHT	1.5 kg
ACCESSORIES	Adjustable mounting bracket ± 60° in all directions. Steel safety cable



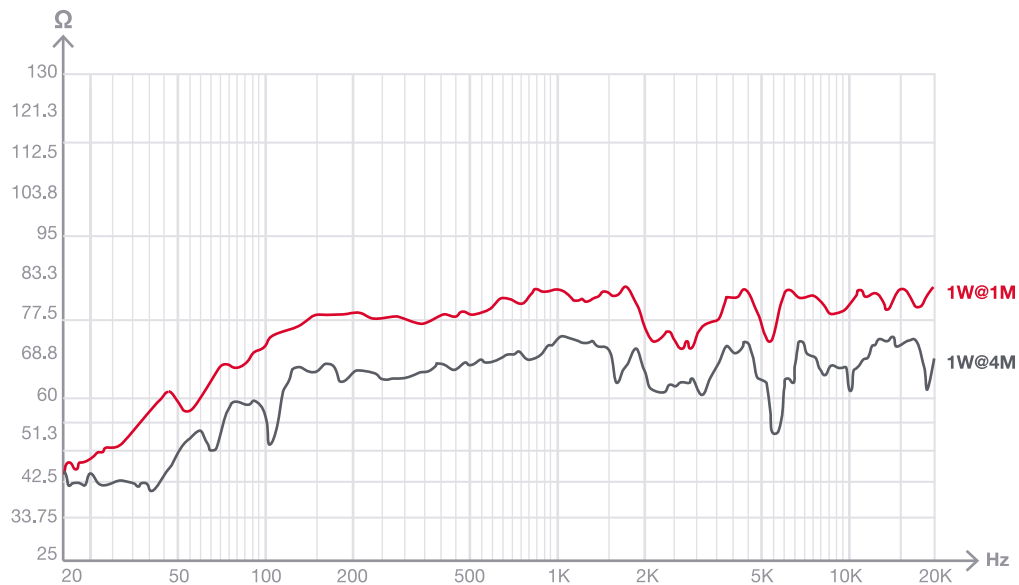
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●  Impedance vs Frequency



●  SPL vs Frequency



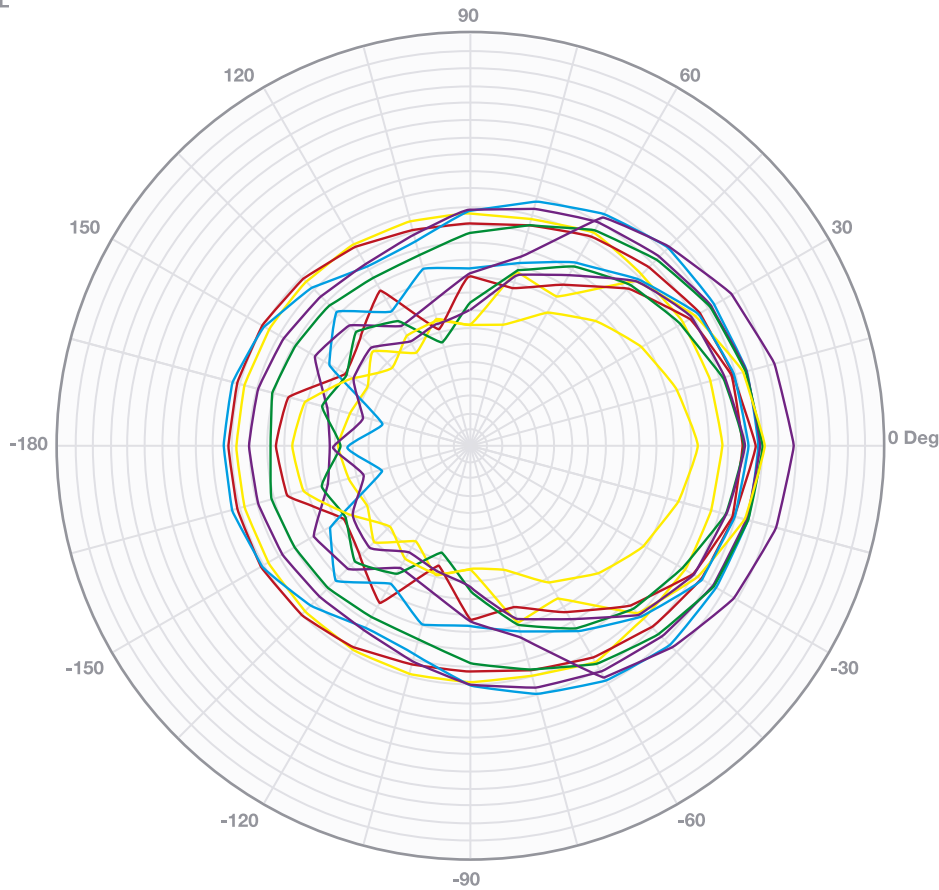
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**SPL vs Angle**

dB SPL

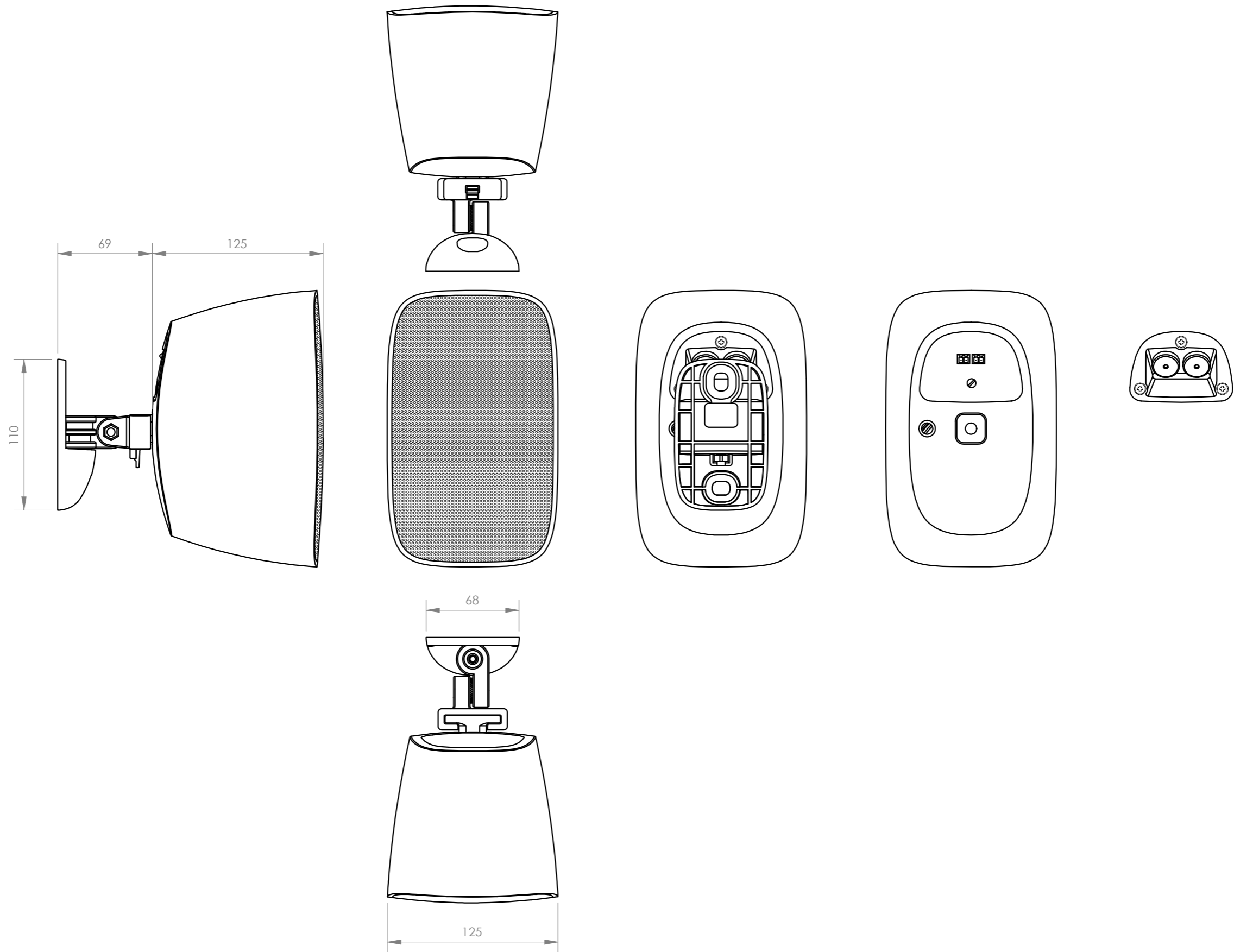
100  
95  
90  
85  
80  
75  
70  
65  
60  
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60  
65  
70  
75  
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85  
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95  
100



Curve	Freq.	BW	Q	DI
<span style="color: yellow;">—</span>	441.94	360	1	0.0
<span style="color: red;">—</span>	625.00	120	3.0	4.8
<span style="color: blue;">—</span>	883.88	150	2.4	3.8
<span style="color: purple;">—</span>	1.25K	120	3.0	4.8
<span style="color: green;">—</span>	1.77K	90	4.0	6.0
<span style="color: yellow;">—</span>	2.50K	60	6.0	7.8
<span style="color: red;">—</span>	3.54K	60	6.0	7.8
<span style="color: blue;">—</span>	5.00K	90	4.0	6.0
<span style="color: purple;">—</span>	7.07K	90	4.0	6.0
<span style="color: green;">—</span>	10.00K	60	6.0	7.8
<span style="color: yellow;">—</span>	14.14K	60	6.0	7.8
<span style="color: red;">—</span>	20.00K	60	6.0	7.8
<span style="color: blue;">—</span>	28.28K	60	6.0	7.8
<span style="color: purple;">—</span>	40.00K	60	6.0	7.8



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<b>FONESTAR</b>	Model	Description	Units	Scale
	SONORA-4TB+SONORA-4TN	100 V LINE TRANSFORMER AND LOW IMPEDANCE SURFACE SPEAKER	mm	1:3