







MODEL BASO03

DIRECTIONAL SOUND SOURCE

- Used for ISO 140-3, ASTM E90, ISO 140-5, ASTM E966 compliant measurements
- High sound power output level
- Insertion loss of noise barriers
- Available lightweight & compact amplifier (BAS002E/U)
- Shipping case standard

TYPICAL APPLICATIONS

- Architectural acoustics: In-situ façade measurements
- Building acoustics measurements
- Sound insulation
- Evaluation of the acoustics indexes for the transmissions loss façade elements

BUILDING ACOUSTICS MEASUREMENTS

The BAS003 Directional Sound Source is designed to generate homogeneous sound fields using random noise in compliance with the following standards: Building acoustics (insertion loss, acoustic absorption area, etc: ISO 140-3, ASTM E90, ISO 140-5, ASTM E966). The BAS003 is typically used to generate a noise in a free-field for the evaluation of the transmission loss index of a façade. The available high-efficiency power amplifier, BAS002, is light and can be remotely controlled for easy use in the field. The included carrying and shipping case, Model CCS044, is designed to provide dependable protection for the BAS003 directional speaker in demanding conditions for many years.





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SPECIFICATIONS		
Performance		
Acoustic		
Sound Power		113 dB re 1 pW (not-equalized) 116 dB re pW (equalized 50 Hz to 5 kHz)
Sound Pressure Level		95 dB(Z) at 10 m
Operating Range		50 –12.5 kHz
THD		0.1%
Amplitude Linearity		±1 dB from 50 Hz to 5 kHz
Directivity		20° at -3 dB
Compliance		
		LAB – airborne: ISO 140-3, ASTM E90
Acoustic		FIELD – indoor/outdoor: ISO 140-5, ASTM E966
Electrical, EMC & Safety		2002/95, 2002/96 and 2003/108/EC Directive
		2004/108/EC Directive
		2002/96/EC WEEE (RAEE) Electronic Waste Disposal
		2002/95/EC ROHS
Physical		
Weight		7.5 kg (16.5 lb) speaker only
		16 kg (35 lb) speaker, case, cable
Carrying Case (CCS044)		
Dimensions (H x W x D)		15.25 x 14.5 x 14.5 in (390 x 370 x 370 cm)
Weight		17 lb (7.7 kg)
Speak-on Cable		
Length		32.8 ft (10 m)
Weight		1.7 lb (0.7 kg)
Supplied Accessories		
Flight Case for Directional Source		
Technical Manual & User's Guide		
Signal Cable (speak-on to speak-on), 32.8 ft (10 m)		
Optional Accessories		
TRP023	Heavy Duty Loudspeaker Tripod	
BAS002E/U	Lightweight Power Amplifier	
BAS001	Omnidirectional Speaker	



BAS003Model BAS003 Directional Sound Source



Equalized Output Power (dB)



Optional Accessories

Heavy Duty Loudspeaker Tripod Model TRP023 (left), Omnidirectional Speaker Model BAS001 (top), Lightweight Power Amplifier Model BAS002E/U (right)



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