TG I53

Condenser Microphone

Features

- Cardioid polar pattern
- High SPL capability
- Casing strengthenend with carbon fibres
- Rugged construction
- Slim design

Applications

The very wide frequency response of the TG I53 opens up a variety of possible applications. From hi-hats and overheads to percussion, string and brass instruments and even choir singing – this condenser microphone with its subtle treble boost and excellent detail reproduction really excels. Because of its high sensitivity, it is also suitable for larger microphone placement distances, for example for large sound sources with complex radiation patterns. Further advantage: it is both light and rugged due to the carbon fibre reinforced housing.

Version

TG I53	Instrument microphone, electret condenser, cardioid, with microphone clamp	Order # 707.155

Technical Specifications

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Polar pattern	Cardioid
Frequency response:	
Close miking	20 - 20,000 Hz
Distant miking (measured at 1 m)	35 - 20,000 Hz
Open circuit voltage	6.8 mV/Pa (-43.4 dBV) ±2.5 dB
Nominal impedance	200 Ω
Load impedance	≥ 1 kΩ
Max. SPL at 24 V and 48 V phantom power	140 dB
S/N ratio	61 dB [CCIR; Q-Peak] 71 dB [A; RMS]
Equivalent SPL	23 dB [A; RMS] 33 dB [CCIR; Q-Peak]
Power supply	Phantom power: 12 - 48 V (recommended: 48 V)
Power consumption	4.7 mA
Connection	XLR, 3-pin, male
Dimensions	100 x 19.5 mm
Weight (without clamp)	36 g

Optional Accessories

MAV 800	Clip for hanging mounting of microphones	Order # 448.133
WS 53	Wind shield, black	Order # 436.607
MA-CL 21	Microphone clamp, 3/8" and 5/8"	Order # 727.946

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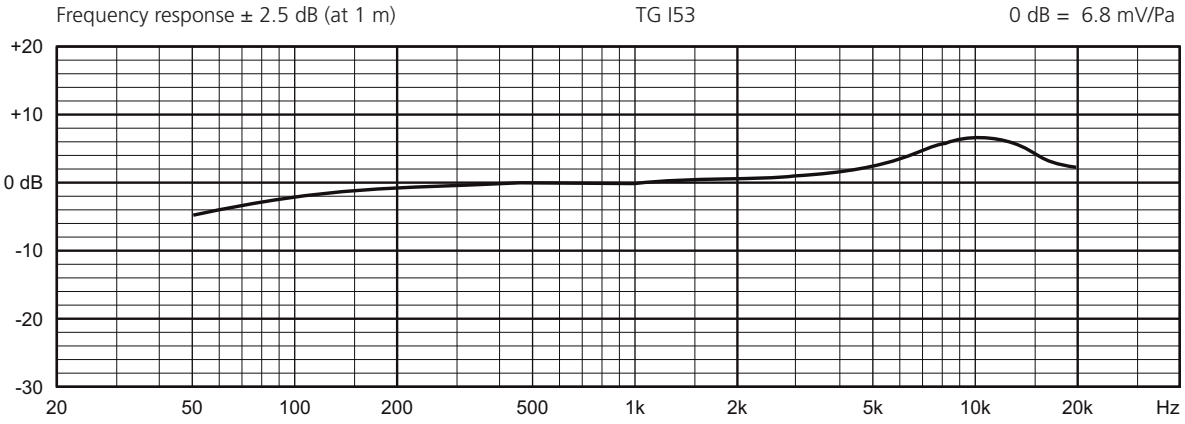
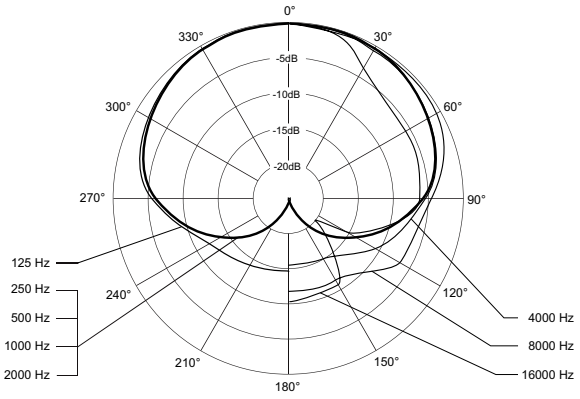
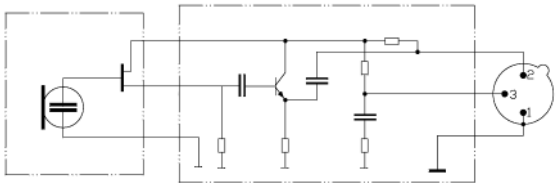
Frequency Response & Polar Pattern

This polar pattern and frequency response curve (± 2.5 dB) correspond to a typical production sample for this microphone.





Wiring Diagram



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