

TG I53

Condenser Microphone



FEATURES

- Cardioid polar pattern
- High SPL capability
- Casing strengthened 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 k Ω
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

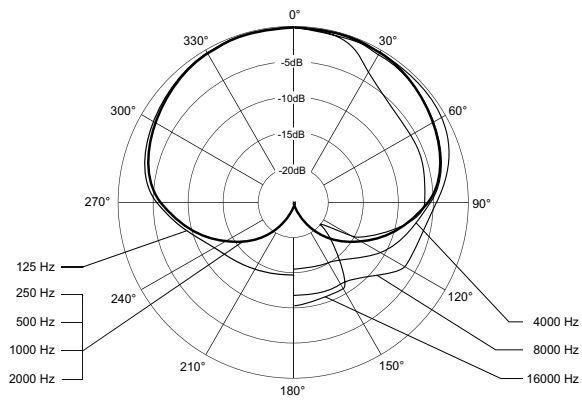
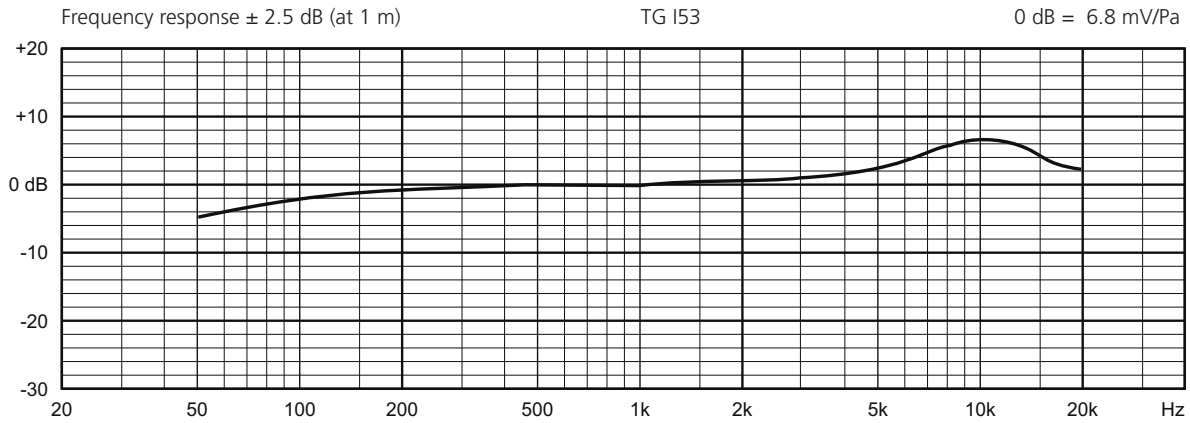
OPTIONAL ACCESSORIES

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

