

TG D71

Condenser Boundary Microphone

Order # 708.992



FEATURES

- Extremely rugged housing in a compact, slim design
- Optimal for Bass or Cajon drums
- Flexible use with low-frequency instruments
- Half-cardioid polar pattern for maximum gain before feedback
- High impulse fidelity and low attack time
- Undistorted transmission of even high volumes
- Powerful, natural sound
- Integrated pre-amp
- Phantom power 11 - 52 V
- Non-slip rubber bottom

APPLICATIONS

The TG D71 boundary microphone is primarily used for miking bass drums while placing it simply without any additional mounting material into the bass drum. The non-slip rubber bottom makes sure that the microphone cannot shift by itself. In addition to this the TG D71 can also be used for other low frequency instruments such as cajon, grand piano or upright piano whereas the compact design and the half-cardioid polar pattern ensure easy positioning of the microphone. Due to its high impulse fidelity, a low attack time and a maximum sound pressure level of 148 dB, the TG D71 is suitable for miking percussion instruments.

The rugged housing in a slim, compact design protects the microphone against damages in the rough daily use on stage.

For a permanent installation on a surface there are two mounting holes at the bottom of the microphone.

The microphone is provided with an integrated pre-amp and can be powered on microphone inputs supplying 11 to 52 V phantom power. A red illuminating status LED displays the applied phantom power and in this way the operating status of the microphone.

TECHNICAL SPECIFICATIONS

Transducer type	Condenser (back electret)
Operating principle	Pressure gradient
Polar pattern	Half-cardioid
Frequency response	25 - 20,000 Hz
Open circuit voltage	1.5 mV/Pa (-56 dBV)
Nominal impedance	< 200 Ω
Load impedance	≥ 1 k Ω
Max. SPL at 1 kHz	148 dB [SPL@1% THD]
Signal-to-noise ratio	63 dB [A, RMS]
Noise voltage	50 dB [CCIR, Q-Peak]
	1.1 μ V [A, RMS],
	4.9 μ V [CCIR, Q-Peak]
A-weighted equivalent SPL	31.2 dB
Polarity	Positive pressure produces positive voltage on pin 2 in relation to pin 3
Wiring	bal. with 3-pin XLR male
Connection	XLR, 3-pin, male
Power supply	Phantom power
	P48 (+48 VDC \pm 4 VDC, 6.8 k Ω \pm 20%, current consumption: < 3.2 mA)
	P24 (+24 VDC \pm 4 VDC, 1.2 k Ω \pm 20%, current consumption: < 3.2 mA)
	P12 (+12 VDC \pm 4 VDC, 680 Ω \pm 20%, current consumption: < 3.2 mA)
Dimensions without connector (L x W x H)	90 x 86 x 27 mm
Weight	413 g

OPTIONAL ACCESSORIES

BMC 05 FM	Standard microphone cable XLR-XLR, 5 m long	Order # 434.787
BMC 10 FM	Standard microphone cable XLR-XLR, 10 m long	Order # 434.795

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FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (measuring tolerance ± 3 dB) correspond to a typical production sample for this microphone.

