

M 90 PRO X

Condenser Microphone

Order # 718.211



FEATURES

- Cardioid polar pattern
- Integrated elastic suspension
- Rugged design

APPLICATIONS

With its 34 mm true condenser capsule, the M 90 PRO X condenser microphone is specifically designed for high-quality recording of vocals and instruments, but is also suitable for natural speech recording in broadcast applications.

While the distinctive cardioid polar pattern suppresses unwanted sound waves, the low-noise circuitry developed by beyerdynamic ensures that the electrical signals are processed at the highest level.

The integrated elastic system suspension protects the microphone against mechanical vibration and the supplied pop filter largely suppresses plosive sounds.

The M 90 PRO X is particularly suitable for:

- Vocals
- Acoustic guitar
- Piano
- Strings
- Speech for broadcast applications
- Universal use for ambient microphoning as well as percussion, choir and orchestra recording

TECHNICAL SPECIFICATIONS

Transducer type	Condenser
Operating principle	Pressure gradient
Frequency response	20 – 20,000 Hz
Polar pattern	Cardioid
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	36.3 mV/Pa = -28.8 dBV ±2 dB
Nominal impedance	< 180 Ω
Load impedance	≥ 1,000 Ω
Max. sound pressure level (at 1 kHz)	133 dB
Signal-to-noise ratio (rel. to 1 Pa)	88.4 dBA
Equivalent sound pressure level (A-weighted)	5.6 dB
Power supply	20 – 52 V (Phantom)
Power consumption	< 6.2 mA
Connection	XLR, 3-pin, male
Length	197 mm
Diameter	52 mm
Weight	296 g

SUPPLIED ACCESSORIES

- Elastic microphone holder
- Studio pop filter with gooseneck
- Carrying bag

M 90 PRO X

FREQUENCY RESPONSE & POLAR PATTERN

This polar pattern and frequency response curve (measuring tolerance ± 2 dB) correspond to a typical production sample for this microphone.

Frequency response curve ± 2 dB

M 90 PRO X

0 dB = 3.6 mV/Pa

