



SM35

Performance Headset Condenser Microphone

The Shure headworn electret condenser microphone, SM35, user guide.
Version: 3.0 (2022-F)

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SM35

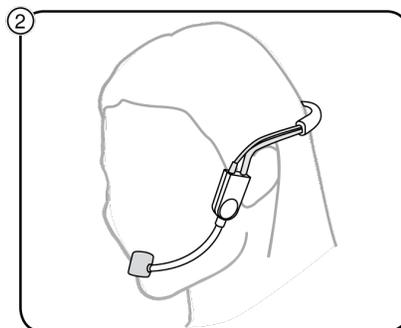
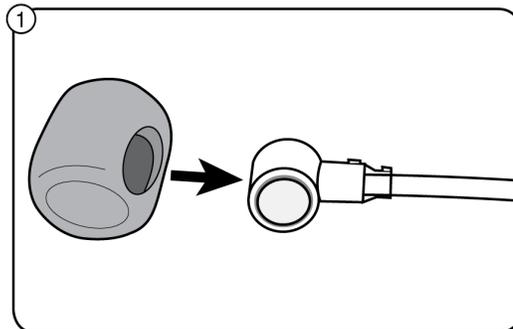
Performance Headset Condenser Microphone

SM35 Headworn Microphone

The Shure SM35 is a headworn electret condenser microphone, intended for use with a wireless bodypack transmitter in live stage performances.

Wearing the Microphone

1. Install the windscreen on the microphone boom.
2. Place the headband around the back of the head, with the boom on the left side.
3. Place the microphone at the corner of the mouth. To decrease pops and plosives, avoid placing the microphone directly in front of the mouth





Note: Do not store the microphone in damp, enclosed spaces. Allow perspiration to dry completely before storing.

RPM400 Preamplifiers

The RPM400 preamplifiers offer exceptional dynamic range utilizing an active gain circuit in a concise and small package. They are offered in two connector versions: TA4F and LEMO, which allows you to quickly take a wireless TL microphone and make it a wired solution. These preamplifiers require phantom power and can efficiently operate across a wide range of supply voltages from 12-48v.

Features

- Active circuit design with neutral gain mimics wireless for consistent gain output across wired or wireless applications.
- High RF immunity against unwanted interference.
- Short, compact design.
- Belt clip and table mounting kits for easy placement for a variety of applications.

Certifications

Note: Testing is based on the use of supplied and recommended cable types. The use of other than shielded (screened) cable types may degrade EMC performance.

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:

Shure Europe GmbH
Global Compliance
Jakob-Dieffenbacher-Str. 12
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Email: info@shure.de
www.shure.com

Specifications

Type

Electret Condenser

Frequency Response

40 Hz to 20,000 Hz

Polar Pattern

Unidirectional (Cardioid)

Output Impedance

100 Ω , @ 1 kHz

Sensitivity

-57.8 dBV/Pa, @ 1 kHz, 1000 Ω load

Signal-To-Noise Ratio [1]

59.2 dB, @ 1 kHz, 1000 Ω load

Maximum SPL [1]

151.3 dB, 1000 Ω load, @ 1 kHz, 1% THD

Dynamic Range [1]

116.5 dB, @ 1 kHz, 1000 Ω load

Self Noise [1]

34.8 dB SPL-A, 1000 Ω load

Power Requirements

TA4F	+5 V DC (nominal) , 10 V maximum (DC bias)
XLR connector	12 to 52 V DC, phantom power

Polarity

TA4F	Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1
XLR	Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Cable

1.1m (45in.)

Connector

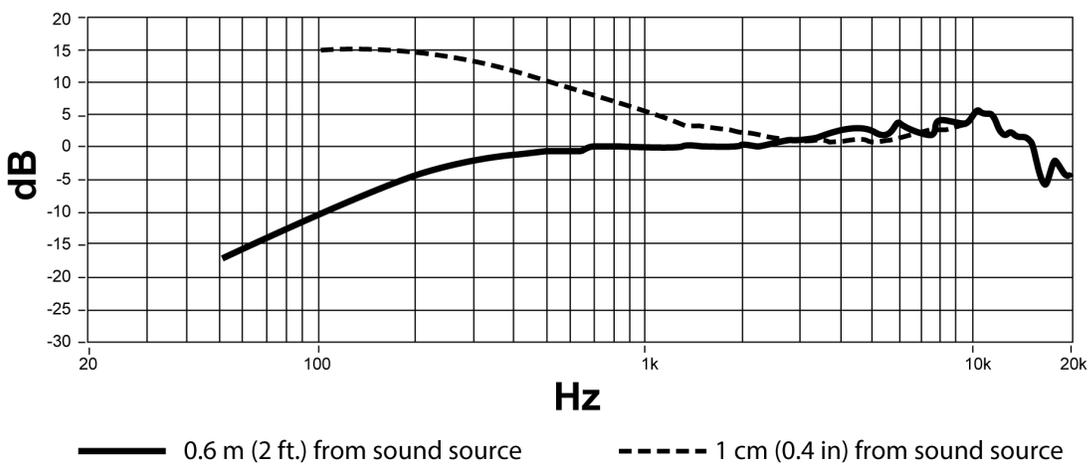
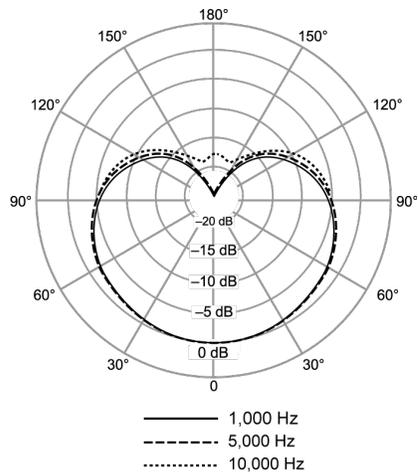
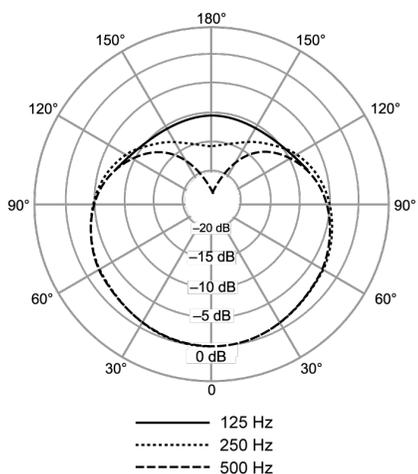
TA4F or XLR

Weight

72 g (2.53 oz.)

[1] Measurements taken using RPM400 preamp

*All specifications measured with a 48 Vdc phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.



Accessories

Furnished Accessories

Replacement Kit with Clip + 2 Snap-Fit Foam Windscreens for SM35	RK378
TA4F/TQG XLR Preamp	RPM400TQG

Replacement Parts

Black Snap-Fit Foam Windscreens (4) for SM35, BETA98, BETA98A, BETA98/S, BETA98D/S, BETA98H/C, MX183, MX184, MX185, MX202, WH30, WL183, WL184 and WL185	RK183WS
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