SHURE®

LEGENDARY
PERFORMANCE™

WIRED MICROPHONE

# VP82

**Compact Shotgun Microphone**
**Microphone canon compact**
**Kompaktes Richtrohrmikrofon**
**Micrófono de cañón compacto**
**Microfono a canna di fucile compatto**
**Компактный линейный микрофон**
**コンパクトショットガンマイクロホン**
**컴팩트 샷건 마이크**
**紧凑型枪式话筒**




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## General Description

The VP82 is a professional shotgun microphone for use in sound capture and reinforcement. Compact and lightweight, with wide aperture and excellent off-axis rejection, the VP82 is the affordable and reliable choice for camera-mounted A/V media production applications.

## Features

- Premier production microphone crafted with Shure quality, ruggedness, and reliability
- Highly directional, uniform polar pattern optimized for distant pickup
- Low self-noise and high output level
- Lightweight, compact design accommodates prolonged operation, minimizing operator fatigue attributed to many shotgun microphones
- Class A, discrete, transformerless preamplifier provides transparent, extremely fast transient response with no crossover distortion and minimal harmonic and intermodulation distortion
- Aircraft-grade aluminum alloy construction resists wear and abuse
- Operates over a wide range of temperatures and humidity

### Rycote Custom Accessories

Shure offers custom Rycote® suspension mounting and wind-protection solutions designed for Shure VP shotgun microphones.

### Wind-Protection

Use the supplied foam windscreen to reduce wind-noise. For increased protection, Shure offers two premium Rycote® windshield accessories:

- **Softie Windshield:** Attenuates up to 25 dB of wind-noise.
- **Suspension Windshield Kit:** Attenuates up to 38 dB of wind-noise while preserving critical high frequencies. Included Lyre suspension mounts provide up to 25 dB of isolation.

### Suspension Mounts

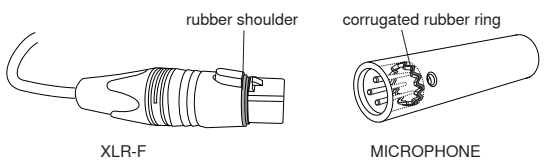
Shure offers four Rycote® Softie Lyre Mounts to reduce handling noise and low-frequency vibrations by up to 15 dB:

- **InVision Video:** Secures directly onto standard camera shoe.
- **Camera Clamp Adapter (CCA):** Fits into a standard camera clamp.
- **Pistol Grip:** Adjustable handheld mount.

**Note:** All Softie Lyre Mounts (except InVision Video) are equipped with 3/8" and 5/8" female threaded adapters for additional mounting options.

## XLR Connector Gasket

This microphone is supplied with a small corrugated rubber ring in the XLR connector to absorb the mechanical slack between the microphone and cable. Many high-end cables are made with a rubber shoulder on the XLR-F for the same purpose. When connecting this microphone to a cable with a rubber shoulder XLR-F connector, remove the corrugated rubber ring from the microphone to ensure a proper fit.




## Load Impedance

Maximum SPL capability, output clipping level, and dynamic range vary with the input load impedance of the preamplifier to which the microphone is connected. Shure recommends a minimum input load impedance of 1000 Ohms. Most modern microphone preamplifiers meet this requirement. Higher impedance results in better performance for these specifications.

## Power Requirements

This microphone requires phantom power and performs best with a 48 V DC supply (IEC-61938), but it can operate with supplies as low as 11 V DC. Most modern mixers provide phantom power and require the use of a **balanced** microphone cable: XLR-to-XLR or XLR-to-TRS.

## Specifications

| | | |
|---|---|---|
| **Cartridge Type** | Electret Condenser | |
| **Polar Pattern** | Supercardioid/lobar | |
| **Frequency Response** | 90 to 20,000 Hz | |
| **Output Impedance** | 144 Ω | |
| **Sensitivity**<br>open circuit voltage, @ 1 kHz, typical | -36.0 dBV/Pa[1] (15.8 mV) | |
| **Maximum SPL**<br>1 kHz at 1% THD[2] | **2500 Ω load:**<br>**1000 Ω load:** | 137.5 dB SPL<br>131.5 dB SPL |
| **Signal-to-Noise Ratio[3]** | 79 dB | |
| **Dynamic Range**<br>@ 1 kHz | **2500 Ω load:**<br>**1000 Ω load:** | 122.5 dB<br>116.5 dB |
| **Clipping Level**<br>@ 1 kHz, 1% THD | **2500 Ω load:**<br>**1000 Ω load:** | 7.0 dBV<br>0.0 dBV |
| **Self Noise**<br>equivalent SPL, A-weighted, typical | 15.0 dB SPL-A | |
| **Common Mode Rejection**<br>20 to 20,000 Hz | ≥55 dB | |
| **Operating Temperature Range** | -18°C (0°F) to 57°C (135°F) | |
| **Storage Temperature Range** | -29°C (-20°F) to 74°C (165°F) | |
| **Operating Relative Humidity** | 0 to 95% | |
| **Polarity** | Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3 | |
| **Housing** | Satin-black vinyl painted aluminum alloy with stainless steel screen | |
| **Power Requirements** | 11–52 V DC[4] phantom power (IEC-61938), <2.0 mA | |
| **Net Weight** | 76 g (2.7 oz.) | |

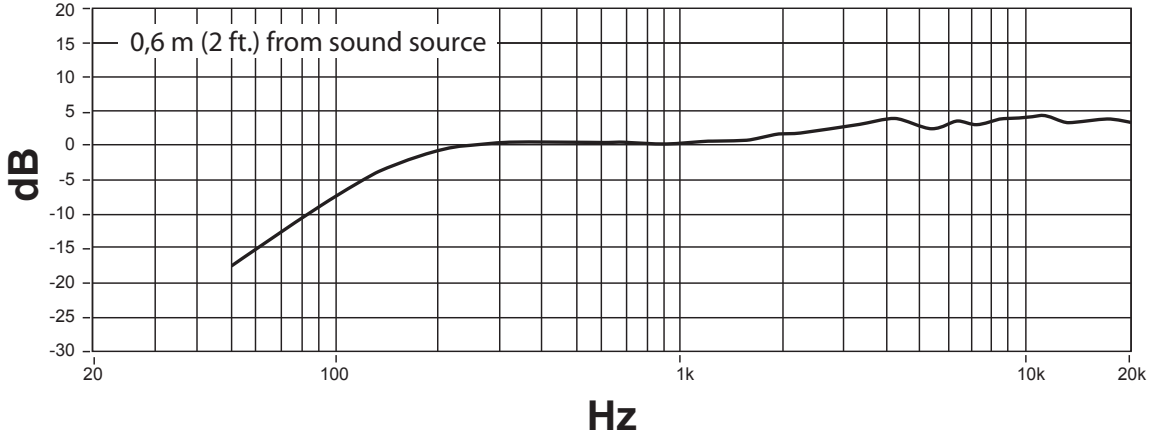
[1] 1 Pa=94 dB SPL

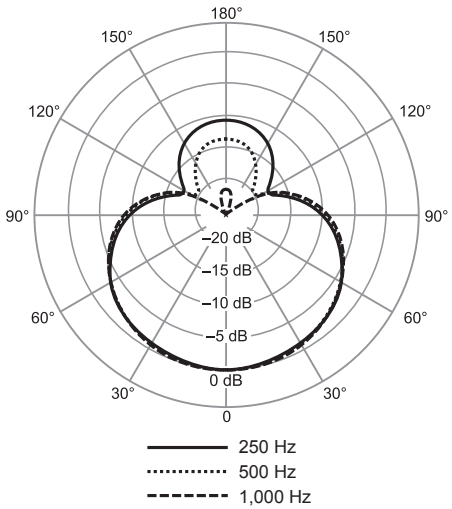
[2] THD of microphone preamplifier when applied input signal level is equivalent to cartridge output at specified SPL

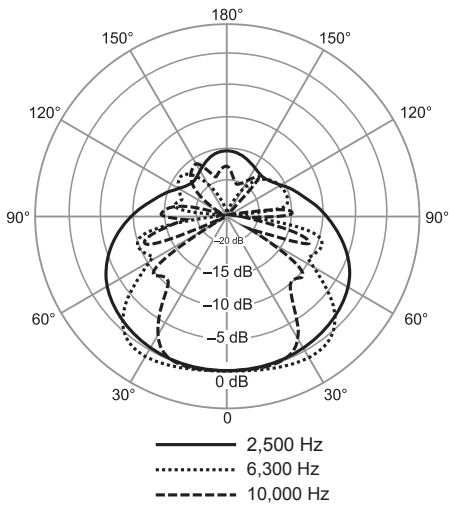
[3] S/N ratio is the difference between 94 dB SPL and equivalent SPL of self noise, A-weighted

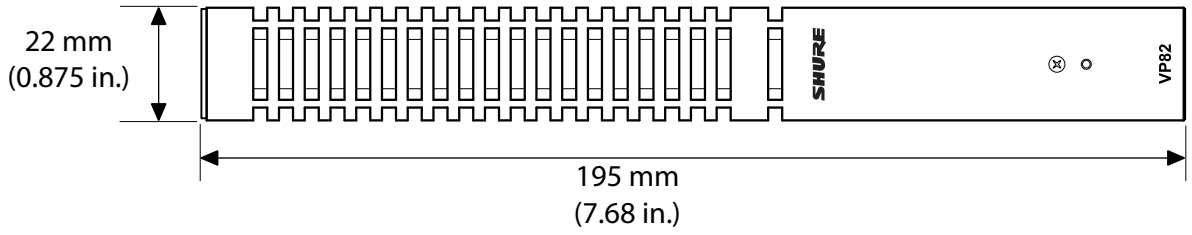
[4] All specifications measured with a 48 Vdc phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.

# VP82


0,6 m (2 ft.) from sound source
dB
20
15
10
5
0
-5
-10
-15
-20
-25
-30
20
100
1k
10k
20k
Hz


180°
150°
150°
120°
120°
90°
90°
60°
60°
30°
30°
0
–20 dB
–15 dB
–10 dB
–5 dB
0 dB
250 Hz
500 Hz
1,000 Hz


180°
150°
150°
120°
120°
90°
90°
60°
60°
30°
30°
0
–20 dB
–15 dB
–10 dB
–5 dB
0 dB
2,500 Hz
6,300 Hz
10,000 Hz


22 mm
(0.875 in.)
SHURE
VP82
195 mm
(7.68 in.)

## Certifications

Eligible to bear CE Marking. Conforms to European EMC Directive 2004/108/EC. Meets Harmonized Standards EN55103-1:1996 and EN55103-2:1996, for residential (E1) and light industrial (E2) environments.

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

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**Note:** Information in this guide is subject to change without notice. For additional information about this product, please visit www.shure.com.

## Zulassungen

Zur CE-Kennzeichnung berechtigt. Entspricht der europäischen Richtlinie zur elektromagnetischen Verträglichkeit 2004/108/EG. Entspricht den Anforderungen der harmonisierten Normen EN55103-1:1996 und EN55103-2:1996 für Wohngebiete (E1) und Leichtindustriegebiete (E2).

Die CE-Übereinstimmungserklärung ist erhältlich bei: www.shure.com/europe/compliance

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**Hinweis:** Änderungen der Informationen in diesem Handbuch vorbehalten. Weitere Informationen über dieses Produkt finden Sie im Internet: www.shure.de.

## Homologations

Autorisé à porter la marque CE. Conforme à la directive européenne CEM 2004/108/CE. Conforme aux normes harmonisées EN55103-1:1996 et EN55103-2:1996 pour les environnements résidentiels (E1) et d'industrie légère (E2).

La déclaration de conformité CE peut être obtenue auprès de : www.shure.com/europe/compliance

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## Certificaciones

Califica para llevar la marca CE. Cumple con la directiva europea de EMC 2004/108/EC. Satisface las normas armonizadas EN55103-1:1996 y EN55103-2:1996 para entornos de uso residencial (E1) e industrial ligero (E2).

La declaración de homologación de CE se puede obtener en: www.shure.com/europe/compliance

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