

# Product Specifications

## PGA31 Performance Headset Condenser Microphone

### Overview

The PGA31 performance headset microphone for general, speaking and performance use is a permanently-biased electret condenser microphone. Engineered to provide maximum versatility and reliable performance in a wide array of conditions at an affordable price, the PGA31 is compatible with any Shure wireless bodypack systems with TA4F (TQG) connectors. Available as an included option for many systems, it also makes a viable replacement option for use in existing systems. The wearable design offers improved comfort and a secure fit for hands-free operation in any situation, while the unidirectional (cardioid) pickup pattern provides excellent off-axis rejection for higher gain-before-feedback when using a stage monitor.



PGA31

### Features

- Wearable wireframe headset fits securely for multi-instrumentalists and active performers
- Permanently charged electret condenser element for detailed, crisp vocals
- Unidirectional (cardioid) polar pattern rejects unwanted noise for improved sound quality and higher gain-before-feedback
- Flexible gooseneck design and discrete adjustment options optimize microphone positioning for further source isolation
- TA4F (TQG) connector seamlessly integrates with existing Shure bodypack systems
- Also available with a wide variety of Shure wireless systems, renowned for ease of use and reliable performance
- Included windscreen tames plosive, breath and wind noise for clean and intelligible sound
- Tailored frequency response primed for great sound on vocals
- Legendary Shure precision engineering for durability and performance

### Available Models

<b>PGA31-TQG</b>	Headset Cardioid Condenser Microphone with Windscreen
<b>BLX1288/PGA31</b>	BLX Dual-Channel Wireless Headset/Vocal Combo System
<b>BLX14/PGA31</b>	BLX Wireless Headset System
<b>PGXD14/PGA31</b>	PGX-D Digital Wireless Headset System
<b>GLXD14/PGA31</b>	GLX-D Digital Wireless Headset System
<b>SVX14/PGA31</b>	SVX Wireless Headset System

### Specifications

Type	Electret Condenser
Frequency Response	60 to 20,000 Hz
Polar Pattern	Unidirectional (Cardioid)
Output Impedance @ 1 kHz, typical	600 $\Omega$
Audio Output Level	-50 dBV/Pa
Signal-To-Noise Ratio <sup>[1]</sup> @ 1 kHz	66 dB
Maximum SPL <sup>[1]</sup> 1000 $\Omega$ load, @ 3% THD	145.0 dB
Dynamic Range <sup>[1]</sup> @ 1 kHz, 1000 $\Omega$ load	117.0 dB
Equivalent Output Noise <sup>[1]</sup> Typical, A-Weighted	28 dB
Power Requirements	+5 V DC (nominal), 10 V maximum (DC bias)
Polarity	Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1
Cable	1.3 m (50 in.)
Connector	TA4F
Net Weight	45 g (1.59 oz.)

<sup>[1]</sup>Measurements taken using RK100PK preamp set @ 0 dB using 8k bias resistor.

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

### Optional Accessories

<b>RK377</b>	Replacement kit with clip + 2 foam windscreens
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