

"THE PEARL" series electrostatic microphones

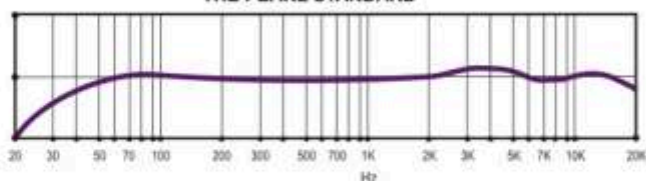


DESCRIPTION

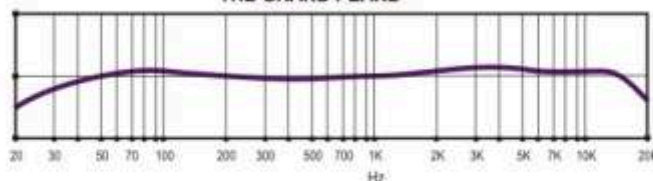
VIOLET DESIGN presents "The Pearl" series of professional electrostatic microphones, designed for both - studio recording and stage vocalist use where the sound quality and musical character is of utmost importance. Microphones are introducing a new physical design in the industry. "The Pearl Standard" model uses medium size single diaphragm transducer providing modern detailed vocal sound with airy highs, extended vocal presence and optimized low end response. "The Grand Pearl" model uses large dual diaphragm transducer providing warm, classical vocal sound of legendary vintage vocal studio microphone. Both models provide unidirectional cardioid polar pattern. Spherical transducer's head and a special form reflector reduce internal resonances and reflections, optimize polar pattern and keep sound details close to unaffected. The internal Phantom powered preamplifier's class-A fully discrete transformerless circuit provides high output, flat audio response and ultra low all kind of distortion and noise. Gold plated contact output connector provides stable connection.



THE PEARL STANDARD



THE GRAND PEARL



SPECIFICATIONS (THE PEARL STANDARD / THE GRAND PEARL)

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| Transducer's type | electrostatic |
| Operating principle | pressure gradient |
| Diaphragm's active diameter | 14 mm / 26 mm |
| Frequency range | 20 Hz to 20 kHz |
| Transducer's polar pattern | unidirectional - cardioid |
| Output impedance | 50 ohms |
| Rated load's impedance | 1000 ohms |
| Suggested load's impedance | >250 ohms |
| Sensitivity at 1000 Hz into 1000 ohms load | 12 mV/Pa / 18 mV/Pa |
| S/N Ratio CCIR 468-3 weighted | 71 dB / 75 dB |
| S/N Ratio DIN/IEC 651 A-weighted | 82 dB-A / 86 dB-A |
| Equivalent noise level DIN/IEC A-weighted | 12 dB-A / 8 dB-A |
| Maximum SPL (<0.5% THD at 1000 ohm load) | 140 dB / 136 dB |
| Dynamic's range of the microphone's pre-amplifier | 128 dB |
| Phantom voltage on pins #2 and #3 of XLR relatively pin #1 | +48 V (+/-4 V) |
| Phantom current's consumption | <2 mA |
| Output connector | XLR-3M, gold plated contacts |
| Signal polarity | positive toward pressure on a diaphragm produces positive polarity voltage on XLR pin #2 relatively to pin #3 |
| Dimensions, weight | 207 mm x 42.5 mm head / 24 mm shaft, 250 g |

The microphone comes in a solid wooden box, with a stand holder and a manual.

APPLICATIONS

"The Pearl" series microphones suite wide recording studio and stage situations capturing vocals, speech, choir, musical instruments, orchestral and most other sound sources. It is excellent solution for broadcast and TV studios, film and video industry, sound reinforcement and installed sound systems and other professional applications. Using "The Pearl" in today's project studios and home recording will upgrade your projects to much higher - professional sound level. Under the special order "The Pearl" microphones are available in matched stereo or surround sets to provide balanced recordings. Two types of external shockmounts and superior quality quad microphone cable are available as an option.

THE PEARL STANDARD



THE GRAND PEARL



OPTIONAL ACCESSORIES



PSM elastic
studio shockmount



GSM compact
studio shockmount



VMC-06 quad
microphone cable (6 m)

In the interest of product development, the specifications, construction and appearance of this unit are subject to change without prior notice and without obligation to install these improvements in any product previously manufactured.

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