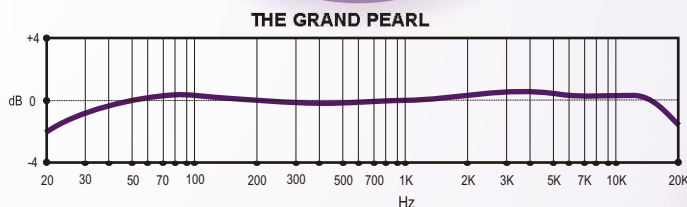
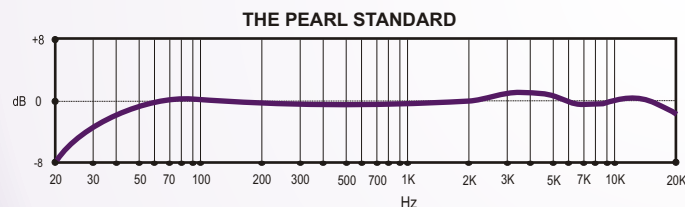


# "THE PEARL" series electrostatic microphones



## DESCRIPTION

Violet Design's "THE PEARL" series of microphones is designed for recording studio use and professional stage vocalist handheld applications, where audio quality and musical sound character is of utmost importance. "THE PEARL STANDARD" model uses medium single diaphragm electrostatic capsule, providing a modern detailed vocal sound - airy highs, extended vocal presence and optimized low end response. "THE GRAND PEARL" model uses large dual diaphragm electrostatic capsule, providing a warm, juicy, classic sound not unlike legendary studio microphones. The most original parts of microphone are spherical transducer's head and a special form reflector, which reduce resonance and reflection, and optimize microphone's polar pattern. "THE PEARL" introduces a new physical design in the microphone industry. The internal solid-state preamplifier is based on a class-A fully discrete transformerless circuit that provides high output, flat response and ultra low distortion and noise.



## SPECIFICATIONS (THE PEARL STANDARD / THE GRAND PEARL)

<b>Transducer type</b>	electrostatic
<b>Operating principle</b>	pressure gradient
<b>Diaphragm's active diameter</b>	14 mm / 26 mm
<b>Frequency range</b>	20 Hz to 20 kHz
<b>Polar pattern</b>	unidirectional - cardioid
<b>Output impedance</b>	50 ohms
<b>Rated load impedance</b>	1000 ohms
<b>Suggested load impedance</b>	>500 ohms
<b>Sensitivity at 1000 Hz into 1000 ohms load</b>	12 mV/Pa / 18 mV/Pa
<b>S/N Ratio CCIR 468-3 weighted</b>	71 dB / 75 dB
<b>S/N Ratio DIN/IEC 651 A-weighted</b>	82 dB-A / 86 dB-A
<b>Equivalent noise level DIN/IEC A-weighted</b>	12 dB-A / 8 dB-A
<b>Maximum SPL for 0.5% THD at 1000 ohm load</b>	140 dB / 136 dB
<b>Dynamic range of the microphone's pre-amplifier</b>	128 dB
<b>Phantom powering voltage on pins #2 and #3 of XLR</b>	+48 V (+/-4 V)
<b>Current consumption</b>	<2 mA
<b>Output connector</b>	XLR3 male, gold plated contacts
<b>Signal polarity</b>	positive toward pressure on a diaphragm produces positive polarity voltage on XLR pin #2 relatively to pin #3
<b>Dimensions</b>	207 mm x 42.5 mm head / 24.5 mm shaft
<b>Weight</b>	250 g
The microphone comes in a solid wooden box, with a stand holder and a manual.	

## APPLICATIONS

"THE PEARL" series suits wide recording studio and stage situations: capturing vocals, speech, choir, musical instruments and most other sound sources. The microphones can be used in broadcast and TV studios, installed sound systems, in film and video industry, project studios and home recording, and many other applications. Under special order "THE PEARL" microphones are available in matched stereo pairs or surround sets to provide balanced stereo or surround recordings. Two types of original construction 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 XLR3  
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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