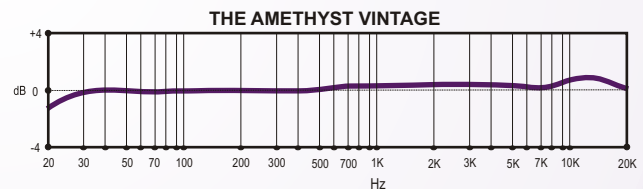
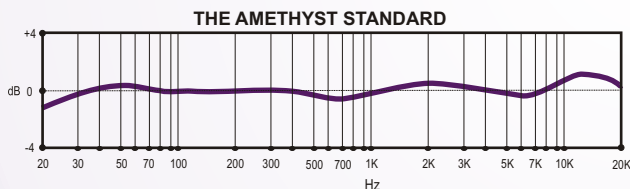


# "THE AMETHYST" series electrostatic microphones



## DESCRIPTION

Violet Design's "THE AMETHYST" series of studio microphones is designed for professional recording situations where audio quality and musical sound character is of utmost importance. "THE AMETHYST STANDARD" model uses large single diaphragm true electrostatic capsule, providing a modern detailed sound - with airy highs, extended vocal presence and little bit accentuated low-end response. "THE AMETHYST VINTAGE" model uses a large dual diaphragm true electrostatic capsule, providing a warm, classic sound not unlike legendary vintage studio microphones. Both models have unidirectional cardioid polar patterns. Microphone's compact, two-side open transducer head construction reduces internal resonance and reflection and optimizes microphone's polar pattern. "THE AMETHYST" introduces a new 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

<b>Transducer type</b>	electrostatic
<b>Operating principle</b>	pressure gradient
<b>Diaphragm's active diameter</b>	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>	21 mV/Pa
<b>S/N Ratio CCIR 468-3 weighted</b>	76 dB
<b>S/N Ratio DIN/IEC 651 A-weighted</b>	87 db-A
<b>Equivalent noise level DIN/IEC A-weighted</b>	7 dB-A
<b>Maximum SPL for 0.5% THD at 1000 ohm load</b>	134 dB
<b>Dynamic range of the microphone's pre-amplifier</b>	127 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>	toward pressure on a diaphragm produces positive polarity voltage on XLR pin #2 relatively to pin #3
<b>Dimensions</b>	168 mm x 63 mm x 41 mm
<b>Weight</b>	400 g
The microphone comes in a solid wooden box, with a manual.	

## APPLICATIONS

"THE AMETHYST" series suits professional studio recording situations: capturing vocals, speech, musical instruments and most other sound sources. The microphone's capsule and internal preamplifier are hard to overload, meaning it can be used closer to sound sources than most comparable microphones. The microphone can be used in professional sound reinforcement systems, in broadcast and TV studios, in film and video industry, project studios and home recording, and many other applications. Under special order "THE AMETHYST" series microphones are available in matched stereo pairs or surround sets to provide balanced stereo or surround recordings. The external studio shockmount and superior quality quad microphone cable are available as an option.

### THE AMETHYST STANDARD



### THE AMETHYST VINTAGE



## OPTIONAL ACCESSORIES



**ASM elastic studio  
shockmount**



**VMC-06 quad XLR3  
microphone cable (6 m)**

*In the interests of product development, the specifications, construction and appearance of all above products are subject to change without prior notice and without obligation to install these improvements in any product previously manufactured.*

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