



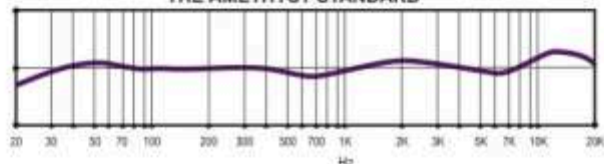
"THE AMETHYST" series electrostatic microphones

DESCRIPTION

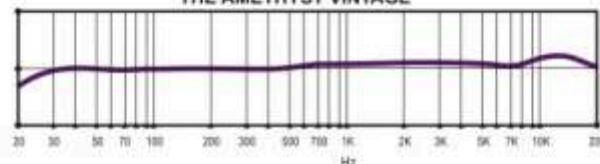
VIOLET DESIGN presents "The Amethyst" series of studio microphones, designed for professional audio recording situations where sound quality and musical character is of utmost importance, and introducing a new physical design in the industry. "The Amethyst Standard" model uses original construction single diaphragm electrostatic transducer, providing modern, detailed sound with airy highs, extended vocal presence and accentuated low-end response. "The Amethyst Vintage" model uses a dual diaphragm transducer, providing classical wide spectrum vintage microphone sound. Both models provide unidirectional cardioid polar pattern. Acoustically transparent transducer head's construction reduces internal resonances and reflections and keeps sound details close to unaffected. The internal shockmount of transducer, together with microphone's massive body construction reduce stand rumble, outside infrasonic interference and mechanical shocks. 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 AMETHYST STANDARD



THE AMETHYST VINTAGE



SPECIFICATIONS

Transducer's type	electrostatic
Operating principle	pressure gradient
Diaphragm's active diameter	26 mm
Frequency range	20 Hz to 20 kHz
Polar pattern	unidirectional - cardioid
Output impedance	50 ohms
Rated load impedance	1000 ohms
Suggested load impedance	>250 ohms
Sensitivity at 1000 Hz into 1000 ohms load	21 mV/Pa
S/N Ratio CCIR 468-3 weighted	76 dB
S/N Ratio DIN/IEC 651 A-weighted	87 dB-A
Equivalent noise level DIN/IEC A-weighted	7 dB-A
Maximum SPL (<0.5% THD at 1000 ohm load)	134 dB
Dynamic range of the microphone's pre-amplifier	127 dB
Phantom voltage on pins #2 and #3 of XLR	+48 V (+/-4 V)
Phantom current's consumption	<2 mA
Output connector	XLR-3M, gold plated contacts
Signal polarity	toward pressure on a diaphragm produces positive polarity voltage on XLR pin #2 relatively to pin #3
Dimensions and weight	168 mm x 63 mm x 41 mm, 400 g

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

APPLICATIONS

"The Amethyst" series microphones suite professional studio recording situations capturing vocals, speech, musical instruments, orchestral and most other sound sources. The transducer 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 and installed sound, in broadcast and TV studios, in film and video industry, project studios, home recording and many other applications. "The Amethyst" microphones are available in two versions: "The Amethyst Standard" - with mate dark amethyst red body and "The Amethyst Vintage" - with matte dark grey body. Under special order "The Amethyst" series microphones are available in matched stereo or surround sets to provide balanced recordings. The external compact studio shockmount and superior quality quad microphone cable are available as an option.

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OPTIONAL ACCESSORIES



**ASM elastic studio
shockmount**



**VMC-06 quad
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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