

# UMS-1P *Self-Powered Subwoofer*

## FEATURES



Integrated control electronics and amplifiers



Modular audio input options



Compatible with Remote Monitoring System™ (RMS)



High-Power, flat frequency response



Looping PowerCon™ Locking AC Connectors

The UMS-1P is a compact, self-powered subwoofer system that provides powerful low frequency extension in applications where both audio quality and cabinet size are critical considerations. Although designed principally as a companion for Meyer Sound's UPM-1P reinforcement loudspeaker, the UMS-1P is equally adaptable—thanks to flexible input options—for use in conjunction with other Meyer Sound loudspeaker models such as HD-1, HM-1/1S and UPA-1P/2P.

The UMS-1P's bass reflex cabinet houses dual MS-410, 10-inch cone drivers, active signal processing and a two-channel power amplifier with total maximum burst power of 400W. Performance is exemplary in every respect, with higher acoustic power output and lower distortion than normally expected from such a compact cabinet. The UMS-1P is conservatively rated at a continuous output of 108dB SPL (127dB peak) within its operating range of 25 - 200Hz.

As with all Meyer Sound self-powered loudspeaker systems, the UMS-1P offers superior performance and improved reliability when



compared to conventional separate loudspeaker and amplifier combinations. Because amplifiers and control electronics are precisely matched to the dynamic characteristics of the drivers, self-powered systems are inherently capable of producing more power with a flatter response and significantly lower distortion. The self-powered concept also simplifies installation, eliminates external amplifier racks and drive processing, and avoids the losses introduced by long speaker cable runs or 70/100V distributed schemes.

The UMS-1P's internal amplifier employs Meyer Sound's proven complementary output stage MOSFET design,

with separate amplifier channels dedicated to each driver. Driver protection limiting and AC transient suppression on the power supply ensure system reliability, while dual locking PowerCon connectors facilitate AC looping. A separate optional module integrates the UMS-1P into Meyer Sound's PC-based RMS monitoring and control network system.

The UMS-1P's durable cabinet is constructed from premium birch plywood and covered with a hardened, textured black finish. A pole-mount (for supporting a UPM-1P or other Meyer Sound product), is fitted standard. Rigging hardware is available as an option.

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and science  
of sound.*



**Meyer  
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PRELIMINARY

# UMS-1P SPECIFICATIONS

<b>ACOUSTICAL<sup>1</sup></b> (EACH LOUDSPEAKER)	Operating Frequency Range	25 - 200Hz
	Frequency Response <sup>2</sup>	± 3 dB 29 - 110Hz
	Phase Response <sup>2</sup>	± 60° 32 - 110Hz
	Maximum Continuous SPL <sup>4</sup>	108 dB
	Maximum peak SPL <sup>3</sup>	127 dB
	Maximum short term RMS SPL (< 3 sec)	116 dB
<b>COVERAGE<sup>1</sup></b>	(-6 dB points)	360° H; 180° V
<b>TRANSDUCERS</b>	Sub Frequency	(2) MS-410 10-inch shielded cone drivers
<b>STANDARD AUDIO INPUT MODULE</b>	Type	Differential balanced input circuit
	Connectors	Female XLR; male XLR loop
	Impedance	10 k differential balanced (between pins 2 and 3)
	XLR Wiring	Pin 1: chassis; Pin 2: + signal; Pin 3: - signal
	RF Filter	Common Mode: 425kHz low-pass; Differential Mode: 142kHz low-pass
	Common Mode Rejection Ratio	>50dB (50Hz); typically 60dB >65dB (1kHz); typically 75dB
	TIM Filter	80kHz
<b>AMPLIFIERS</b>	Type	Complementary MOSFET output stages (class AB/bridged)
	Burst Capability	225 Wrms / channel
	THD, IM, TIM	<.02%
<b>AC POWER</b>	Connector	PowerCon locking AC connector with looping output
	Voltage Selection	105-130 VAC; 208-260 VAC; 47-63Hz (90-105V version available)
	Power	400 Watts, 1 second burst
	Max Continuous RMS Current (>10 sec)	@115V: 1A      @230V: .5A      @100V: 1.2A
	Burst RMS Current (<1 sec)	@115V: 1.3A      @230V: .65A      @100V: 1.5A
Max Peak Current During Burst	@115V: 2.9Apk      @230V: 2Apk      @100V: 3.3Apk	
<b>PHYSICAL</b>	Dimensions	Height: 16.35"; Width: 22.75"; Depth: 17.50" (16" without grill) (415mm H x 578mm W x 445mm D)
	Weight	83 lbs (37.65 kg); shipping: 94 lbs (42.72 kg)
	Enclosure	0.2 cu. ft. vented, multi-ply birch
	Finish	Black textured (other options available)
	Protective Grill	Hex stamped metal screen frame charcoal-grey foam covering

- NOTES**
1. Measurements taken at 1 meter on-axis, in half space (ground plane) loaded environment, unless otherwise stated.
  2. 1/24th octave frequency resolution
  3. Pink noise burst signal excitation.
  4. Continuous pink noise excitation.

Meyer Sound Laboratories has devoted itself to designing, manufacturing, and refining components that deliver superb sonic reproduction. Every part of every component is designed and built to exacting specifications and undergoes rigorous, comprehensive testing in the laboratories.

Research remains an integral, driving force behind all production. Meyer strives for sound quality that is predictable and neutral over an extended lifetime and across an extended range.

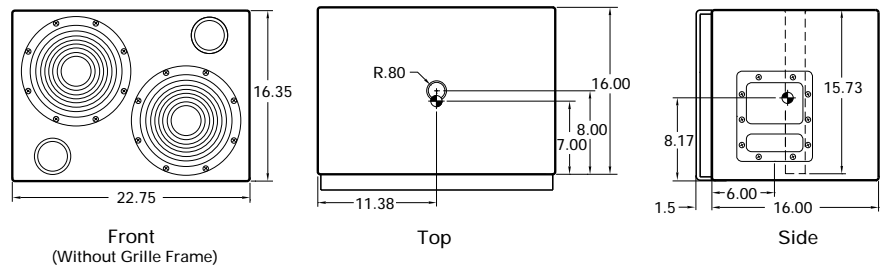
Meyer Sound reserves the right to alter any specification without notice.

Please visit our web site at [www.meyersound.com](http://www.meyersound.com) for up-to-date information.

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**PRELIMINARY**

## PHYSICAL DIMENSIONS

ALL UNITS IN INCHES



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