

# NEW Custom/Industrial Slant Stage SM222 Monitor System



## Features

- Exceptionally High Output Capabilities - 131 dB SPL at 1 meter
- Very Smooth Frequency Response -  $\pm 1.4$  dB 200 to 10,000 Hz for high gain before feedback
- Excellent Sight Lines due to ultra compact packaging, including specially developed HF horn

The SM222 high output slant stage monitor system is designed to enable performers to hear clear audio foldback regardless of the ambient sound levels on stage. The SM222 utilizes the identical configuration of the legendary EAW SM600 stage monitor with two 12 inch bass drivers and a large format compression driver. The use of two 12 inch low frequency drivers permits more sound pressure level than any competitive design based on a 15 inch woofer, and it offers better response linearity in the lower mid-band.

The SM222 is the result of a long term engineering project conducted by EAW's Vice President of Engineering Kenton Forsythe in conjunction with Carlo Sound's Rich Carpenter and John Logan. The project's goal was to offer the output and sound quality of the SM600 in a package with significantly less volume and half the stage height for improved sight lines. The SM222 exceeds the original design goals by using a newly developed Forsythe designed high frequency horn that fits tightly in-between the two woofers.

Traditional EAW quality construction enables the SM222 to offer unmatched road durability. Standard features include heavy gauge perforated steel grill, recessed handles and EP Series input connectors. Options include internal passive crossover and travel covers. During the third quarter of 1986 EAW will be offering a RCF two-inch exit compression driver for use **in the SM222 and an optional** closely coupled electronic **controller**.

### SM222 Preliminary Specifications:

Frequency Range:	-10 dB 40 to 20,000 Hz
Frequency Response:	$\pm 3$ dB 60 to 18,000 Hz
Axial Sensitivity:	103 dB SPL 1w@ 1m
Efficiency:	7%
Power Handling Sine Wave:	300 watts
AES Standard:	750 watts
Nominal Impedance:	4 ohms
Horizontal Coverage Angle:	100 degrees
Vertical Coverage Angle:	40 degrees
Maximum Output:	131 dB SPL @ 1m
Maximum Acoustic Output:	52 acoustic watts
LF Transducer:	Two RCF PRO L12/544 300mm (12-in)
HF Transducer:	User Supplied TAD 4001 Compression Driver
Crossover Data:	Standard configuration is external bi-amp optional passive 1,200 Hz 18dB/octave internal OF222X crossover network
Cabinet Construction:	18 ply/inch cross grain birch hardware
Driver Protection:	Vinyl covered perforated steel
Input Connectors:	EP6, and banana test points