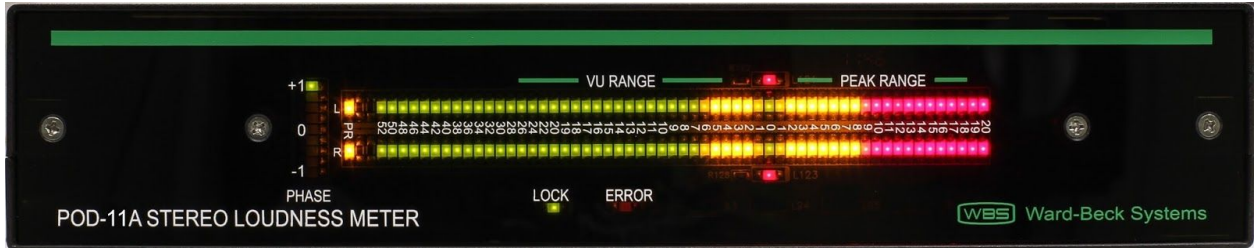


# POD11A

## DIGITAL STEREO LOUDNESS METER



POD11A/75 REAR



POD11A/110 REAR



by Ward-Beck Systems

# POD11A

## DIGITAL STEREO LOUDNESS METERS

**This is one of many in our line of top quality, low-cost broadcast problem solvers. PODS are compact, rugged and affordable. They are suited for tabletop use or rack-mountable singly or in pairs, in any combination.**

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The POD11A is a digital series loudness meter that displays the average (VU) and peak content of an audio signal simultaneously. The meter includes a pair of “sticky” peak LEDs (for each stereo pair) that may be set to display peaks that exceed a preset limit, a phase correlation meter and status LEDs to display lock to signal or error.

Each stereo bargraph indicator comprises a dual set of 57 LEDs, with VU and PPM activity areas clearly defined. A rear panel dip switch array allows for configuration of various parameters, such as meter ballistics and calibration levels, as displayed on the rear panel beside the dip switches. Please refer to the DIP SWITCH SETTINGS table in this manual. Connections to the POD11A meters are made via pluggable 3-pin screw terminals when connecting balanced AES signals, or via BNC connectors when connecting unbalanced AES signals. If a viable AES signal is connected to the SLM, the “LOCK” status LED will illuminate. If the signal is lost or corrupted, the “ERROR” status LED will illuminate. For more information and special applications, please consult the factory.

## POD11A DIP SWITCH SETTINGS

		<u>ON</u>	<u>OFF</u>
<b><u>BS1(SW4)</u></b>	Ballistics 1	Peak Hold Off	Peak Hold On
<b><u>BS0(SW3)</u></b>	Ballistics 0	PPM Type 1	PPM Type 2
<b><u>CAL1(SW2)</u></b>	Calibration 1	See Table 2	
<b><u>CAL0(SW1)</u></b>	Calibration 0	See Table 2	

### **Ballistics**

PPM Type 1= 1.5 Second/24dB decay.

PPM Type 2= 3.0 Second/24dB decay.

Peak Hold - This feature holds `PPM` peaks above `nominal` for 3 seconds.

Peak LED - This LED holds instantaneous peaks above -3dB for 3 seconds.

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**Table 2**

	<b>Calibration 1</b>	<b>Calibration 0</b>	<b>Nominal Level</b>
0	On	On	-20dBFS
1	Off	On	-18dBFS
2	On	Off	-16dBFS
3	Off	Off	-14dBFS

## SPECIFICATIONS

### DIGITAL AUDIO

Meter Calibration	0VU = -20 dBFS (default, configurable with DIP SWITCHES)
Input Standard	AES/EBU 110 $\Omega$ transformer balanced screw terminal or 75 $\Omega$ unbalanced BNC
Input Level	0.2-5V p-p
Sampling Frequency Range	30kHz to 96kHz
Frequency Response	+/- 0.25 dB, 20 Hz to 20 kHz
Peak Hold Indicator Threshold	-3 dB below Full Scale

### GENERAL

Power Requirements	100-240 VAC, 50-60 Hz
Dimensions	8.69" wide x 1.73" high x 7.0" deep (221mm x 44mm x 178 mm)
Weight	1.37 kg (3.01 lbs)

*Ward-Beck Systems Inc. reserves the right to change performance specifications without prior notice.*

## **WARRANTY**

All Ward-Beck Systems Inc. products are warranted against defective materials and workmanship for a period of one year from the date of shipment.

Ward-Beck Systems Inc. will repair or replace, at its option and without charge, all said products or parts thereof which upon factory inspection prove to be defective during the warranty period, provided that:

1. The original serial numbers are intact and have not been tampered with.
2. The purchaser shall return any equipment or parts thereof to Ward-Beck Systems Inc. only after obtaining prior authorization and shipping instructions from the factory. (Ward-Beck Systems Inc. reserves the right to inspect or repair equipment on the purchaser's premises).
3. The purchaser assumes the obligation for all expenses in connection with the shipping and return of such goods, once authorization has been obtained.

This warranty does not cover items normally considered expendable, such as fuses and lamps.

This warranty does not cover damages caused by misuse, accident, neglect, unauthorized alteration, repair by unauthorized personnel, or damage caused by an act of God, war, or civil insurrection.

In no event shall Ward-Beck Systems Inc. be liable for consequential damages. Ward-Beck Systems Inc. shall have the rights to final determination as to the application of this warranty.

Ward-Beck Systems Inc. reserves the right, at any time and without notice, to make changes in its equipment, components, specifications or designs, as may be warranted by progress in state-of-the-art technology.

Ward-Beck Systems Inc. reserves the right to make design changes, additions to, and improvements in its products, without obligation to install such revisions in products previously manufactured.

The warranty set forth herein is in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness.

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