

Loudness & VU PEAK

MLM-1014A



YamaKi

Loudness level and VU/PEAK unit

(LLM-□1012,PVM-101HG,YBM-D101H functionalities are included)

Superior cost performance

Analog/Digital signal supported

(AES-3id,AES3-1992)

● What's new

A completely new meter to detect audible sound volume correctly.

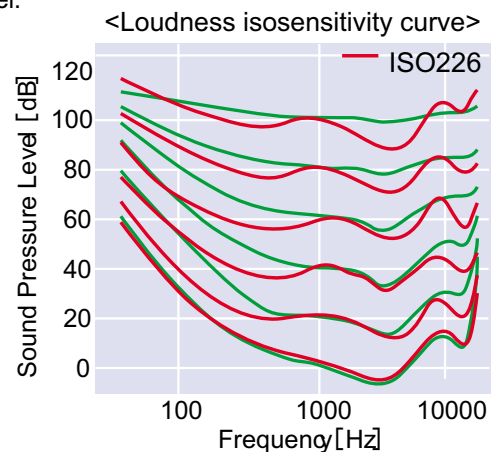
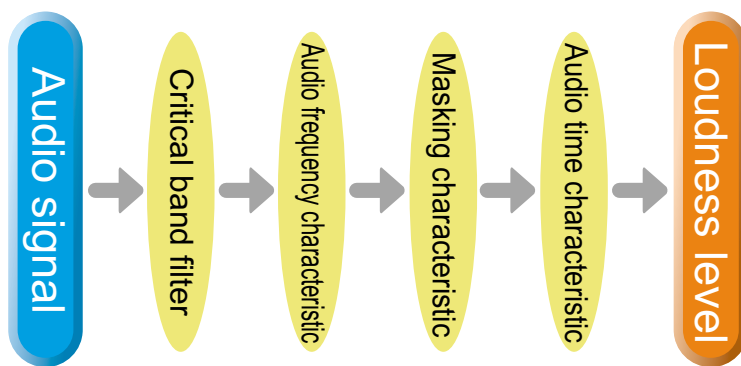
As for conventional VU meters, the indicator value and actual volume are different in some sound source, thus the user must adjust the indicator value based on his/her experience.

However, the loudness monitor allows matching the indicator value and actual volume so that it will be unnecessary to adjust the indicator value according to the sound source.

● How to calculate loudness level

With using 1/3 octave filter as critical band filter, after actual value detection and integration, frequency level characteristic is corrected according to the isosensitivity curve of the sounds and each sound pressure level, the loudness value is calculated by adjusting masking effects from adjacent bands.

Then, the time characteristic is corrected at audio level to display the level.



● Example



proper level

(Green)
Within REF±2Phon



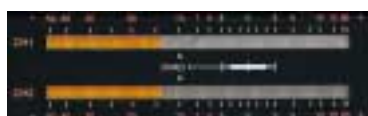
small

(Red)
REF-3Phon and less continues for
acertain time



loud

(Red)
REF+3Phon and less continues for
acertain time



small

(Amber)
Exterme small signal or signal is off

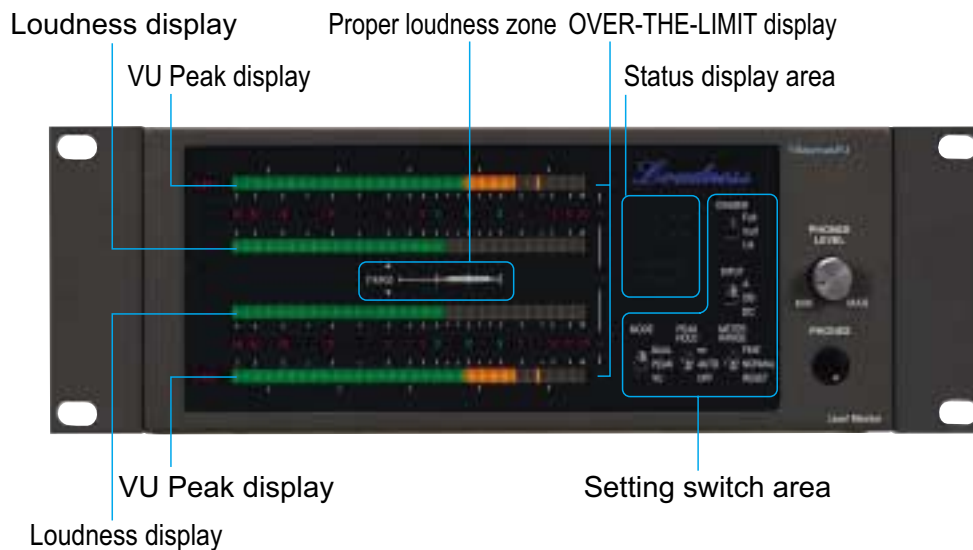
● Monitor transmission levels

(Reducing the gap of levels in programs)

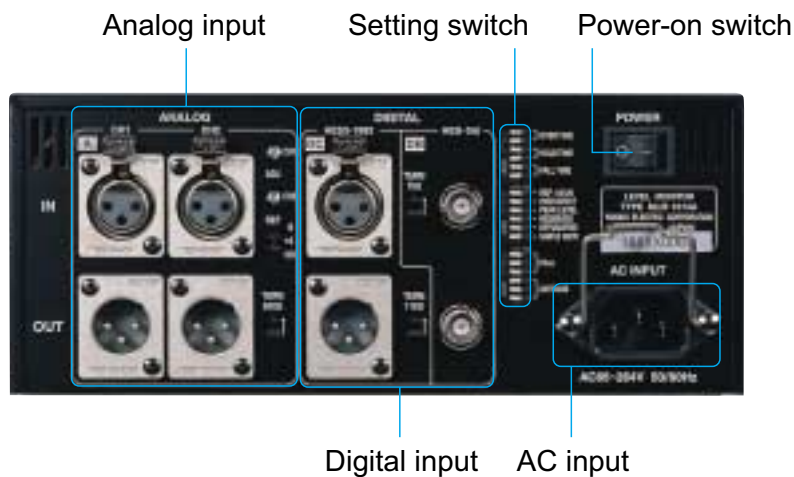
● Monitor levels of various sound sources

(CM bank)

● Front panel



● Rear panel



● Specification

Model		MLM-1014A			
Input signal	Signal	Signal AES-3id	AES3-1992	Analog	Front SW
	Connector	BNC X1 (W/Loop-through output) 75ohms	CNNON 3P X1 (W/Loop-through output) 110ohms	CNNON 3P X1 (W/Loop-through output) 110ohms	Back input
	Referrence level	-18dB /-20dB	-18dB /-20dB	+4dB / 0dB / -20dB (±1dB range adjustable)	
Level display		Loudness level LED 101points 2barsVU / PEAK LED 101points 2bars			
Loudness	Proper level	Display sa zone			
	Frequency characteristic (Loudness computation range)	22.4Hz - 14kHz			
	Others	See LLM-1012 Catalog			
Meter	Display range	-50dB - +20dB			
	Display mode	PEAK / VU / DUAL			Front SW
Dimmer control		3 Level (100%,50%,25%)			Front SW
Headphon output		Stereo standard jack Approx.300 Ohms 20mW+20mW			Front input
Usage temp. range		+5 - 40℃			
power source		AC85 - 264V 50/60Hz 15VA			
Overall size		W215xH88xD140 mm (lug not included)			
Weight		Approx. 3kg			

※ OPTION:Sidewood Panel

Safety Caution



- Please read the operation manuals and follow the instructions carefully.
- Keep away from water, moisture, dust, oil, smoke and etc.
- Doing so may cause damage, electrical shock or fire.

- Actual color may slightly differ from that shown in this catalog.
- Please note that the specifications or designs are subject to change without notice due to continual improvements.

Yamaki
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The inquiry

ISO 9001 certification /
ISO 14001 JIS display permission factory

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