

# PPM-2

# MARENIUS

## AUDIO LEVEL METER

- Precision wide range meter
- Digital + Analog inputs
- Bright OLED display
- Adjustable meter range
- Several meter modes
- Peak memory
- Adjustable ref level
- Heavy-duty metal case



The PPM-2 audio level meter offers an easy way of measuring audio levels of both analog and digital signals. The meter has two analog inputs and two digital inputs.

The unit is highly configurable with a multifunction knob and easy to read from the high contrast, wide viewing-angle OLED-display.

The instrument is housed in a durable aluminum case.

The meter accepts both balanced and unbalanced analog audio signals.

The digital inputs accept both balanced digital audio according to IEC-60958 Type I (AES/EBU) and unbalanced digital audio according to IEC-60958 Type II (S/PDIF). The two different sockets are separated which means that the user can connect both inputs simultaneously. The S/PDIF socket is internally connected to a second socket allowing the user to pass the signal to other devices.

The user interface consists of a multifunction knob, an OLED-Display, a clear button and an ON/OFF switch.



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The default screen is illustrated above. It shows a level indicator for left and right channels, a dB scale, left and right maximum value and two small dB symbols with different signs. The -dB and +dB is used to indicate if the scale starts or ends at negative or positive values. The main menu consists of ten different main items, which allows the user to configure the meter in different modes. The menu items are listed below in order of appearance.

- INPUT
- DIGITAL TERMINATION
- MEASURE
- RMS INTEGRATION FACTOR
- REFERENCE
- SCALE RESOLUTION
- SCALE START
- MAX HOLD
- MAX DISPLAY
- VIEW

The clear button is user to reset the maximum value. The current settings are saved when the unit is powered off.



### MAX DISPLAY

This option can change the way the maximum indication disappears. The options are “fade away” and “fall off”. When “fade away” is selected the maximum indication fades away at the current position and when “fall off” the maximum indication falls off (moving towards the left). The maximum indication is also presented as a numerical value illustrated below.

#### Box includes:

- 1x PPM-2 Audio Level Meter
- 1x Power supply
- 1x User's manual (english)

### Technical Data

Supply voltage	5 VDC
Current consumption	150 mA typ.

#### Balanced analog input

Connector	XLR Female
Input impedance	20kΩ
Reference input level	-10dBu
Maximum input level	+20dBu
Frequency range	20Hz – 20kHz
Dynamic range	60dB

#### Unbalanced analog input

Connector	RCA Female
Input impedance	10kΩ
Reference input level	-10dBu
Maximum input level	+20dBu
Frequency range	20Hz – 20kHz
Dynamic range	60dB

#### AES/EBU input

Connector	XLR Female
Input type	IEC 60958 Type 1
Input impedance	High Z or 110Ω
Standard sampling rates	44.1/48/96kHz

#### S/PDIF input

Connector	RCA x2 (pass thru)
Input type	IEC 60958 Type 2
Input impedance	High Z or 75Ω
Sampling rates	44.1/48/96kHz

#### Measuring characteristics

Maximum level error (1kHz steady signal)	±1dB
Maximum unregistered pulse length	(worst case) ≈6ms*
Falloff time (peak mode, scale res = 3dB)	.3dB/60ms
Maximum integration time (rms mode)	≈500ms*

(\* ) Depends on the input signal.

Specifications are subject to change without notice.

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