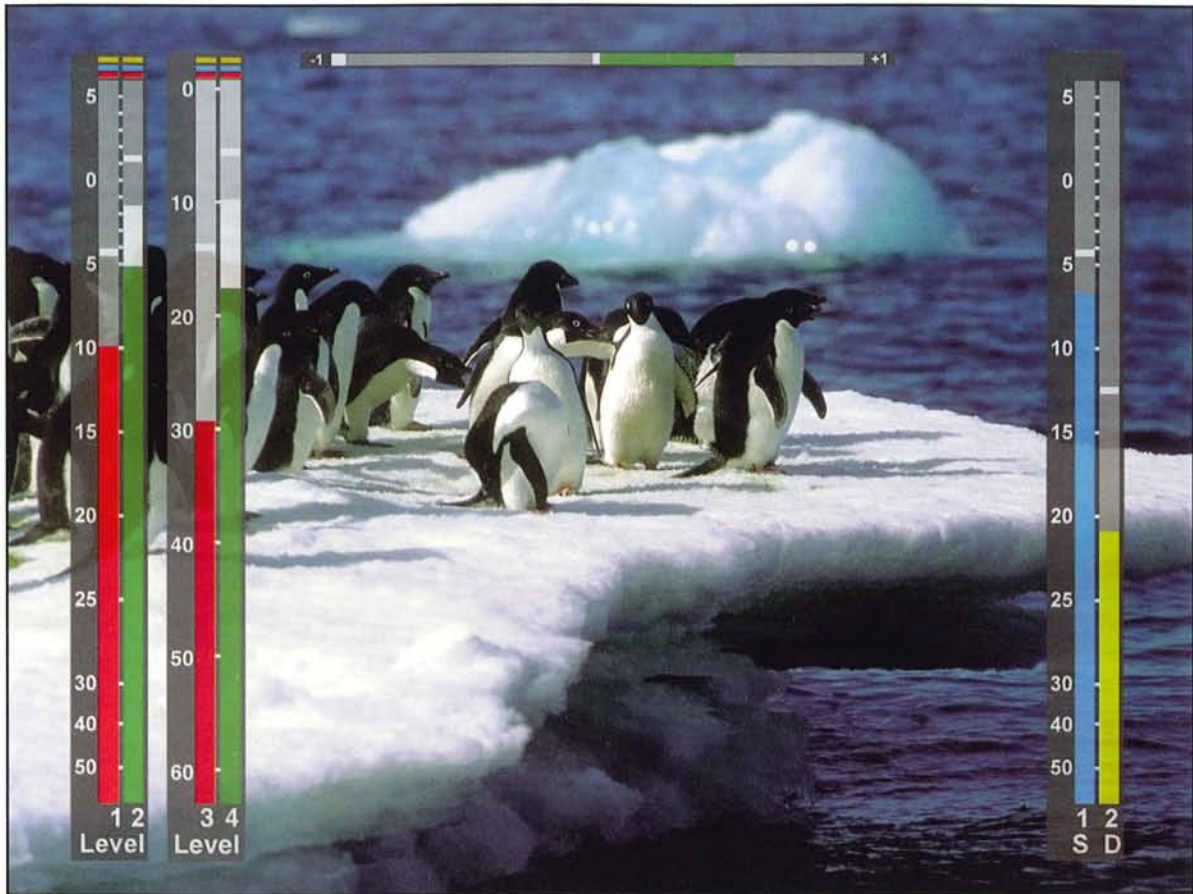


Chromatec

AM-4 In-Picture Audio Meter

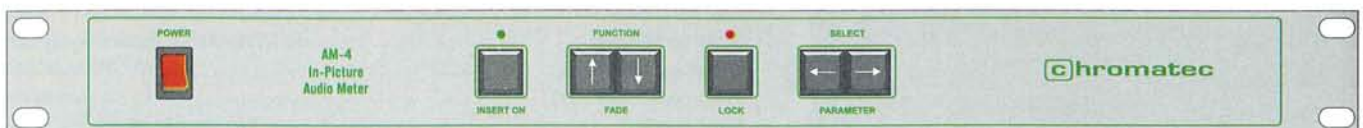


The Chromatec AM-4 is an in-picture and dedicated on-screen audio level meter for displaying up to four channels of analog or digital audio, in bargraph form.

All analog, all digital or two channels of each signal format may be displayed depending on the options chosen. Four bar groups, A, B, C & D can be assigned to display levels, sum & difference or sum only. A separate phase bar may be assigned to any two channels of the same format. The AM-4 may be configured for two channels only if all four channels are not required.

A range of standard meter scales and their corresponding ballistics may be selected. When PPM scales are in use the VU meter (VU1 or VU2) may be superimposed in bar, split bar or block form so that both types of meter can be viewed simultaneously.

The meter is viewed on a dedicated video monitor using the AM-4's internal background generator or superimposed on a composite video signal.



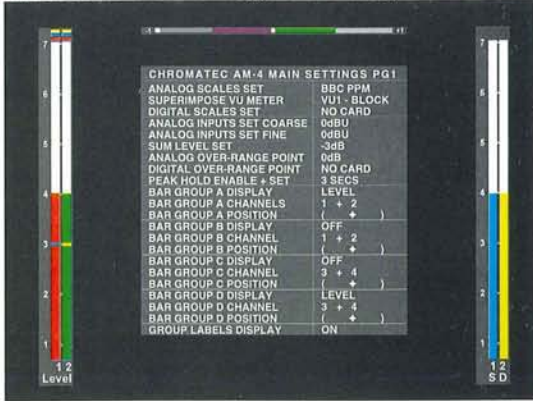
A comprehensive on-screen menu may be displayed in order to select the parameters required and to set user defaults. Combined alarm facilities for no audio, over-level and sustained anti-phase are incorporated, all with external TTL remote switching for a signal light and audible alarm. Separate on-screen indication of all alarms is provided together with a latching red marker above each level bar to indicate when the audio signal reaches the top of the scale. When operating in the digital domain data related to the incoming signal is displayed in the menu.

A connector is fitted on the rear panel duplicating the front panel button contacts, allowing remote control of all functions. The AM-4 is housed in a 1U rackmount case thereby occupying little space.

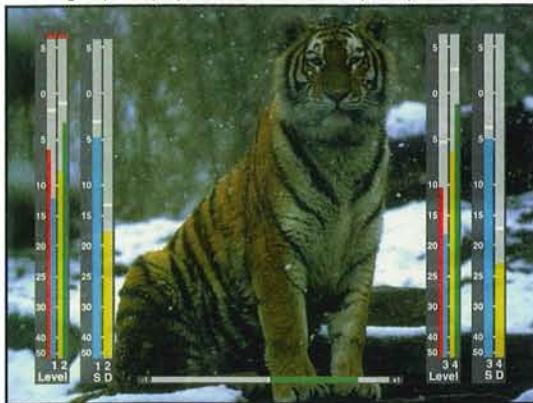
Levels 1 & 2 with phase bar and S & D



On-screen menu on internally generated background



All bar groups displayed with VU meter superimposed



Levels 1 & 2 with phase bar (reversed)



Main Features:

- ◇ Two or four audio channels. Level, phase and sum & difference bars may be configured in any combination.
- ◇ Option of AES/EBU digital or analog inputs, all digital, all analog or two channels of each type, depending on the input cards fitted.
- ◇ Meter information may be displayed on an internally generated black background or superimposed on a composite video signal.
- ◇ Front panel insert on/off and fade controls allow adjustment of the mix level of the inserted information.
- ◇ A lock function prevents inadvertent operation of secondary controls.
- ◇ A full function on-screen menu may be displayed to set user preferences and defaults.
- ◇ A wide range of analog scales and ballistics may be user selected plus two AES/EBU digital scales when a digital input card is fitted.
- ◇ VU1 and VU2 meters may be superimposed on any PPM scale in bar, split bar or block form.
- ◇ All bar positions and colours may be user selected to suit individual requirements.
- ◇ AES/EBU status information is displayed in the menu when a digital card is fitted.
- ◇ Signal peak indicators together with peak store.
- ◇ Over scale indicators.
- ◇ Over level, no signal and sustained anti-phase alarms with remote switched output.
- ◇ Full or partial wired remote control facility.
- ◇ PAL or NTSC operation.

Specification

Analog audio inputs	Electronically balanced
Input impedance	25kΩ
Digital audio inputs	AES/EBU with buffered loop-through
Frequency response	.20Hz - 20kHz ±0.5dB
Video input/output	.75Ω composite
Video standard	.625 line PAL or 525 line NTSC
Meter characteristics & scales	.BBC 1-7 + DIN type 1, +5 to -50dB .Nordic +12 to -42dB + VU1, VU2 +3 to -20dB .Extended VU +20 to -60dB + Digital 0 to -60dB + Extended Digital 0 to -80dB
Alarm outputs, peak hold & over-scale-resets	.Female 9 pin "D" type connector
External control	.Female 15 pin "D" type connector
Power requirements	.110/230VAC, 30W
Dimensions	.482w x 330d x 45h
Weight (configured for four channels)	.approx 4.5kg

Specifications subject to change without notice

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