



AMP-V01 is a cluster for the analysis of audio for systolic professional applications. The high performance is obtained thanks to the implementation of the most advanced digital technologies, that allow the digital processing of audio signals.

The chain of low-frequency signal is in fact directly processed by a multiple system of 32-bit DSP, allowing a customizable set of parametrization. Sub modem audio extractors sync signals, DTMF Decoder and anything else that could be transmitted simultaneously with a digital audio can be processed and analyzed in real time. The pair of input and output are made via XLR connector and electrically isolated by means of transformers.

AMP-V01 can provide also an amplification of the signal in transit with a maximum output level of 36 dBu. It 'also a phone jack on the front panel for listening in headphones.

AMP-V01 also lends itself as AES-EBU interface, both for the input is for the output. This allows digital audio streams of be converted to analog and vice versa. Specific applications can be supplied with the simple support operating a PC with Windows operating system. AMP-V01 can also be used as system surveillance. A series of dry contact available on the back apparatus allow remote indications regarding the presence or less modulation, as well as reports from processing.

- Analog audio output on balanced XLR connectors,
- Digital audio AES-EBU. (Optional),
- Dry contact for remote signaling system,
- Front jack headphone listening,
- Level Meter BF,
- Modulation depth (Peak),
- Modulation depth (Mean time set),
- Density modulation (Optional),
- Demodulation DTMF,
- Serial port RS232 or RS485,
- Remote management software developed in Windows environment,
- Power system AC, DC,
- AC 95Vac to 240 Vac 50/60 Hz,
- DC 20 Vdc to 50 Vdc,
- System in format 19" Rack 1U.

Audio section

Bandwidth: 10 Hz – 16.000 Hz +/- 0.1 dB
Output level: 0 dBm into 600 Ω for 400 Hz tone modulated 50%
Amplification: From 0 dB to 9 dB 1.0 dB steps
THD: <0.05%
S/N: <84 dB
Impedance: 600 Ω transformer balanced

Connections

Audio Output: XLR connector
Output Head: JACK 6.3

Signaling

Serial connection: RS-232 Connector DB9 Male \pm 15 kV (ESD).
Signaling: 4 dry contact over Weidmuller connector step 3.5 mm.

Supply

Network: 95 Vac – 240 Vac, Plug IEC320 integrated, filter EMI/RFI.
Battery: 2 independent power suppliers.

Size

Width: 1 Unity 19".
Depth: 300 mm connectors excluded.
Weight: 1.5 Kg.