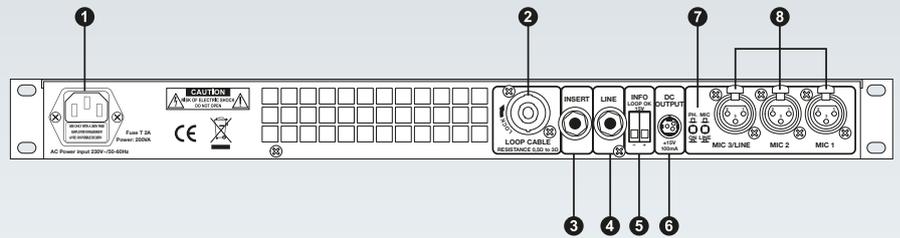


Rear view

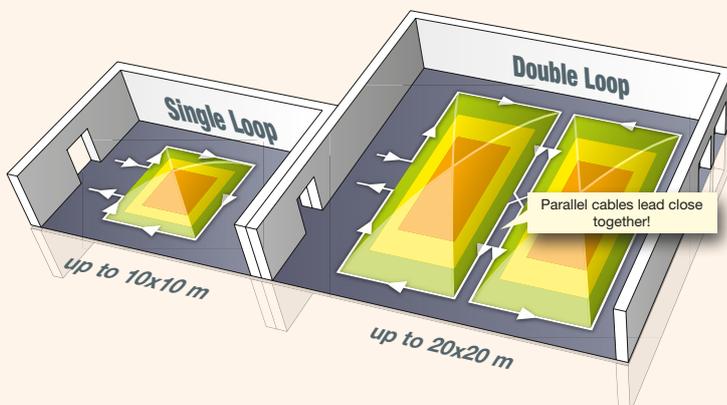
- 1 AC power cord
- 2 Speakon® socket for connecting the loop cables
- 3 Unbalanced audio signals Input for connecting external devices
- 4 Balanced audio signal input (LINE level 0 dB) to 1/4 „jack
- 5 INFO LOOP OK, fault message output
- 6 DC output (phantom power)
- 7 MIC / LINE mode Switch for microphone or LINE level Switch for switching phantom power
- 8 MIC1 and MIC2 / LINE inputs on XLR, balanced



Technical data	ISV-300 A
Compressor/Limiter	Automatic (0 dB to 18 dB)
Frequency range (amplifier/loop)	20 Hz - 20.000 Hz; 80 Hz - 7.500 kHz (-1.5dB)
Distortion factor	Better than 0.25 %
Loop impedance	0.5 - 3.0 Ω
Cover area	approx. 450 m ² (depending on the loops)
RMS current (at 1 kHz)	4.5 A
Audio Inputs/Outputs	MIC 1, MIC 2 / LINE, balanced to XLR, INSERT, 0dB LINE Input to jack, unbalanced
Audio sensitivity (MIC/LINE)	-50 dB / -10 dB
Phantom power	switchable 12V DC
Info LOOP/AMP CONTROL	15V DC
AMP-LOOP-Output power (Pmax.)	135 W
Temperature monitoring (AMP)	system deactivation at 92 ° C, system activation at 60 ° C
Equalization-EQ (LF-EQ / HF-EQ)	+/- 12 dB
Frequency correction on (LOOP-OUT)	MLC control
Protection circuits	current limitation (short circuit), over-temperature protection, "Soft-Start"
Power supply / power	230V AC - 50/60 Hz; 300 VA
Dimensions (WxHxD) / weight	443 mm x 44 mm x 200 mm; approx. 4.0 kg

EXAMPLE OF USE | Installation possibility of induction loops

up to 450 m²



In the rooms to be supplied a single-pole wire loop is laid.

In particular arrangements, such as Listener area in several blocks, blanking of certain areas, etc., it may come to other loop forms (double loop, single-eight-form, double-eight-form).



Description

The ISV-300A represents a loop amplifier as a professional solution for the construction of induction loops. The loop amplifier for audio transmission is widely used to provide hearing aids with inductive audio signals.

The ISV-300A Induction Loop Amplifier has been developed as a high-quality LOOP amplifier for middle inductive loop sizes.

The system is characterized by particularly easy installation, customer-oriented operation and easy use of the device for optimal performance.

Induction loop amplifiers are very often used in churches, cinemas, theatres, outlets, bank counters, interpreting systems or DRIVE-IN / DRIVE-THROUGH, so that hearing aid users under heavy acoustic operations (background noise, reverberation, etc.) by the inductive coupling of hearing aids, the useful signal (Audio transmission) can hear much better without disturbing noises.

By transmitting an audio signal through the induction loop, an acceptable signal-to-noise ratio is achieved.

A purely acoustic, direct sound transmission (between loud-speaker and hearing aid) through reverberation and background noises considerably worsens the perception of the useful signal by the hearing device wearer.

Please consider the following features:

- Depending on the loop design, the coverage area is up to 450 m².
- Equalization by 2-point LF / HF equalizer.
- "MLC" control for frequency error correction.
- All controls are recessed and provide protection against incorrect operation.
- Equipped with protection circuit for short circuit, overheating, no load, overload and overload.

★

RECEIVER | optional

Induction Loop Receiver

With the ISV-001 T receiver, a loop system can be quickly and easily checked or maintained. It is therefore particularly suitable for responsible personnel where induction transmission is installed.

It can be used as a pure audio receiver for the people whose hearing aid does not have a „T-position“ or for monitoring or controlling the field strength and quality of the transmission of the induction loop system.

Induction Loop Receiver, ISV-001 T
including headphones, dimensions (WxHxD): 67x90x25 mm

Model designation

Induction Loop Amplifier, ISV-300 A
for loop surfaces up to 450 square meters, 1 RU