

LA-402 - Loop Amplifier



Active loop amplifier,

with dynamic compressor for setting up an inductive sound reproduction system in large rooms up to 750 m². Inductive transmission of audio signals allows users of hearing aids with a T-coil or inductive receivers, e.g. the LR-202, to receive audio signals. Wireless transmission is an advantage of inductive sound reproduction systems which makes it possible for the user to move freely within the loop.

Inductive sound reproduction systems are used for various applications, e.g. as a hearing aid for the hearing impaired in houses of worship, theatres, cinemas, waiting rooms and lounges, as interpreting systems, for lectures in museums, exhibitions, etc.

With inductive sound reproduction systems, an inductive loop made of a wire winding is laid on the floor, the wall or along the ceiling and is controlled by a constant current amplifier. Thus, a magnetic field is created within the loop which induces a voltage into the T-coil of the hearing aid or into the inductive receiver. In the receivers, this voltage is then converted again into an audio signal.

- Dynamic compressor
- Automatic talkover
- Metal loss correction 0-3 dB/oct.
- 3 mic/line inputs with 40 V phantom power, to be switched on additionally
- 6.3 mm input for inserting external devices

- Integrated SD card reader for reproduction of stored alarm messages
- 2-way tone control
- LED level meter
- 482 mm (19") rack installation with supplied mounting brackets

Tekniset tiedot:

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|-----------------------|---|
| Loop current | : 14 A (peak) |
| Loop resistance | : 0.2-2 Ohm |
| Room size | : up to 750 m ² |
| Inputs | : mic 1.5 mV/6.8 kOhm, XLR, bal. switchable to line 630 mV/10 kOhm, XLR, bal. line 630 mV/4.7 kOhm, RCA, unbal. alarm: 2 screw terminals for connecting a switch |
| Outputs | : Loop: 2 screw terminals |
| Equalizer bass | : ± 10 dB, 100 Hz |
| Equalizer treble | : ± 10 dB, 10 kHz |
| Frequency range | : 50-8,000 Hz |
| THD | : < 1% |
| Admiss. ambient temp. | : 0-40 °C |
| Power supply | : \approx 230 V/50 Hz/230 VA |
| Dimensions | : 482 x 88 x 280 mm, 2 RS |
| Weight | : 6.97 kg |