

# PROLOOP NX15 LOS

## Induction loop amplifier for areas up to 3 400 m<sup>2</sup> (low crosstalk)



- The PROLOOP NX15 LOS is designed for areas up to 3 400 m<sup>2</sup>. It is primarily designed for continuous use. The integrated switch mode power supply and the Class-D amplifier design enable high efficiency and low waste heat. Among other things, this results in the high reliability and operational safety.
- The function of the induction loop and the amplifier is continuously monitored. A functional error is indicated via displays on the unit and at the error output.
- Automatic Gain Control (AGC) ensures a consistent level on the listening loop.
- Metal Loss Correction (MLC) can be used to correct the frequency response due to metal structures present in the building.



Rear panel

- Link connections allow several PROLOOP NX Amplifiers to be combined into one unit.
- Low output B can be switched between 0° or 90° phase shift.
- The output signal of both amplifier channels can be monitored via a switchable headphone output.
- A screw-fixed cover plate prevents the setting from being changed.
- The power switch on the back prevents the unit from being switched off unintentionally.

| Model                               | PROLOOP NX15 LOS  |
|-------------------------------------|---|
| Coverage                            | 3 400 m <sup>2</sup>  |
| Power supply                        | 110-265 V AC 50/60 Hz   |
| Power consumption max.              | 900W  |
| Metal Loss Correction (MLC)         | 0-4 dB/Octave   |
| Cooling                             | fan-cooled, temperature controlled  |
| Dimensions (HxBxT)                  | 43 x 430 x 290 mm 19" 1U  |
| Weight                              | 3,8 kg  |
| <b>Amplifier output</b>             |   |
| Loop current max.                   | 2x 14 A RMS   |
| Loop voltage max.                   | 2x 34 V RMS   |
| Frequency range (± 1,5 dB)          | 80 Hz - 6 kHz   |
| Loop resistance DC                  | 0,5 - 3,0 Ω   |
| <b>Outputs</b>                      |   |
| Headphone                           | 3,5 mm stereo Jack  |
| Link connections                    | 6,3 mm Jack, balanced   |
| Status connection                   | 3 pol. Euroblock plug   |
| Loop connection                     | NL4 Speakon Twist 1+ parallel to 2+ / 1- parallel to 2-   |
| <b>Inputs</b>                       |   |
| Input 1                             | 5-100 mV / 2 kΩ / 48 V switchable (MIC)<br>100 mV - 6 V / 10 kΩ (LINE) switchable, Combo Jack     |
| Input 2                             | 5-100 mV / 2 kΩ / 48 V switchable (MIC)<br>100 mV - 6 V / 10 kΩ (LINE) switchable, Euroblock plug |
| Input 3                             | 100 V Priority input 2 pol. Euroblock plug  |
| Link in/out/out 90°                 | 6,3 mm Jack, balanced   |
| <b>Automatic Gain Control (AGC)</b> |   |
| AGC                                 | voice-optimised   |
| Dynamic range                       | >40 dB  |