

XL-150 Induction Loop Amplifier



XL-150 is a specially designed amplifier to work with induction loops, covering areas up to 150 m². It is equipped with inputs for several programmes such as radio, TV, tape recorder etc. This makes the XL-150 very flexible in many applications

- AGC function indicated by LED
- Fitted with 3 inputs
- 3-band graphic equalizer (low, mid, high)
- 3 LED's for precise control of loop current
- 12 V voltage output to supply e.g. signal units
- Input for existing doorbell system
- Tone indicator via the loop
- PLUG-IN type connection block
- Modern design
- All inputs having their adjustments on front panel



XL-150 is a loop amplifier suitable for nursing homes, schools, churches and other public premises. The amplifier can be connected with TV, radio, tape recorder, loudspeaker amplifier, mixer etc. through plug-in sockets for tape recorder, scart, headphones and similar connections. An induction loop surrounding the listening area connects to the screw connection block.

All adjustments are done with front panel

controls.

* (It is important that the right type of cable is used when installing the induction loop in order to secure operation according to the current IEC standard.)

TECHNICAL SPECIFICATIONS

Power supply: 230 V 50 Hz
Coverage: 150 m²

AGC Inputs

IN1: 50mV-10V/430Ω/70KΩ
IN2: 20mV-10V/430Ω/200KΩ
LINE IN: 2x200mV-10V/50KΩ
(Stereo signal can be connected)

Outputs

LOOP OUT: max current 8.3A RMS/1Ω(125ms)*
max voltage 14.6V RMS/18Ω(125ms)*
LINE OUT: 775 mV (0 dB)/150Ω

Equalizer

LOW: ± 12 dB/50 Hz
MID: ± 12 dB/800 Hz
HIGH: ± 12 dB/12 KHz

Frequency range, EQ flat: 100-5000 Hz

Loop monitor

Yellow LED: 0.5 - 1.8 A (1 A)
Green LED: 1.8 - 4.3 A (4 A)
Red LED: 4.3 - (6 A)

Trig In/Out: (Doorbell, indicator etc)
Output voltage: 13 V AC/max 1.6 A
Trig input: 4-12 V AC/DC
Tone indication: 1100 Hz

Dimensions: 220x135x44 mm (WxDxH)
Weight: 1.6 Kg

Approved according to the SEMKO Nordic Test specifications. Also -approved

* Measurements carried out in accordance with the Nord Test Method. Due to active time dependent processing, the loop amplifier cannot be measured during continuous operation.

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