



UniVox® SLS-300 XF

Loop system with HiFi quality and 3-D controlled overspill



UniVox® SLS—Super Loop System® is target designed for professional installations in venues where high sound quality, very high reproducibility together with extremely low overspill in all directions are important requirements. With the UniVox® SLS system the magnetic field is controlled in three dimensions producing different levels at different heights.

This makes it possible to reach field strengths complying with the IEC standard for standing and sitting positions or to cover a mobile seating section with different heights.

UniVox® SLS system is a fully balanced 2-layer loop system resulting in incredible smooth field strength even at high frequencies that are vital for speech intelligibility. Furthermore the balanced field strength concept, as all balanced systems, almost totally cancels out normal interference problems with audio/video installations, for example microphones and video projectors. The common interference problem with reinforcement and other metallic structures is strongly reduced thanks to the opposite phase system. All these technological details result in a reliable and predictable installation.

This second generation of UniVox® SLS series of amplifiers continues to build on two separate loop configurations, but they are now connected to one 19" rack mounted unit with matching power amplifiers. Lower distortion and an increased output voltage enhance the dynamics substantially, especially in the treble area (beyond 10kHz!).

The result is an induction loop system with HiFi sound quality for the hearing aid users!

UniVox® SLS-300 XF is most suitable for new construction/rebuilding of theatres, cinemas, conference buildings, schools etc. For areas smaller than 170m² use the SLS-100 XF and for areas larger than 300m² use the SLS-700 (two units) supporting areas up to 650m². UniVox® SLS fulfills IEC 60118-4.

Features

- Minimum overspill
- Even magnetic field without level and/or frequency drop in the middle of the room
- No level drop when head is tilted (in one direction)
- Low impact from reinforcement and other metal
- Reduced risk of magnetic feedback
- Low idle current consumption
- High efficiency
- Strongly enhanced high frequency response
- Euroconnector (SCART) in/out with built-in automatic SCART control
- Combined programmable 6.35/XLR and 2xRCA connectors
- 19" rack mounting unit with matching constant current amplifiers
- 6.35mm speaker/earphone jack
- Suitable for new construction/rebuilding of theatres, cinemas, concert halls, schools, conference rooms, homes for the elderly etc.

Technical data

Mains power		230-240V AC 50Hz, 25-700W, 10A group fuse required
Coverage area		300m ² according to IEC 60118-4, 1-turn loop, free field
Two separates loop outputs	<i>Max. current</i>	2x60App, 1-5ms, 1kHz, short circuit
	<i>Max. voltage</i>	2x13A RMS, continous 1kHz signal, short circuit
	<i>Output AGC</i>	2x47Vpp
		For voltage and current. If continous signals like self oscillations or sinus tones occur, the output level is reduced with approx. 10dB after 0.6-1 sec. Pulses and normal program signals are not reduced
	<i>Frequency response</i>	70-10,000Hz (±3dB), using UniVox 25mm wide flat copper foil
	<i>Distortion</i>	<1%
	<i>Connection</i>	Loop wires are connected to two screw terminals (rear panel)
SLS outputs	MASTER OUT	0 dBm RCA connector (with AGC function) (rear panel)
	SLAVE OUT	0 dBm RCA connector (with AGC function) (rear panel)
Inputs	IN1	Combined XLR/6.35mm connector (rear panel) Mic sensitivity 2.5mV-10V RMS/10kOhm, phantom power 9-20V or Line sensitivity 37mV-10V RMS/10kOhm (factory default)
	IN2	Double RCA connectors (rear panel), 45mV-10V RMS/10kOhm
	Euroconnector	Double SCART connectors (rear panel)
	SCART (IN/OUT)	50mV RMS in (TV) / out (DVD-VCR-SAT)
Dual action AGC	<i>Working range</i>	>70dB
	<i>Attack time</i>	2-500ms
	<i>Release time</i>	0.5-20dB/s
	<i>Remark</i>	Attack and decay times depends on which channel is active
Controls	<i>Loop adjust</i>	Coverage area is dependent on loop configuration: 0-300m ² , Master and Slave potentiometers (rear panel)
	<i>Input level</i>	IN1 and IN2 have separate input level potentiometers (rear panel)
Indications	<i>Mains power</i>	Blue LED in front panel, indicates if properly connected
	<i>Correct input signal level</i>	Blue LED in front panel, indicates if input AGC is activated
	<i>Loop current</i>	Blue LED:s in front panel (Master/Slave), indicates if current floats in loop
Other	<i>Dimensions</i>	440x88x285mm (WxHxD) 19" standard size for rack mounting
	<i>Weight</i>	7.3kg
	<i>Colour</i>	Black
Output current control		Output current is indicated by two green LED's (front panel). Beside the optical indication the magnetic field from master and slave loop can be monitored by speaker/ear phone connected to 6.35mm jack (front panel). An important and useful function for the system operator.
Part No		215300 UniVox SLS-300 XF

Accessories	Part No	Description	Part No	Description	CE
	230450	UniVox Listener loop receiver/test instrument	401010	FSM Field strength meter	
	230453	UniVox Listener loop receiver/test instrument, incl. light weight head phones	401025	FSM Field strength meter, delivered in case with CD record	

For additional information, please refer to user guide/installation guide and CE certificate which can be downloaded from "Product databank" at www.edin.se. If required, spare part list or other technical documents can be ordered through support@edin.se.