

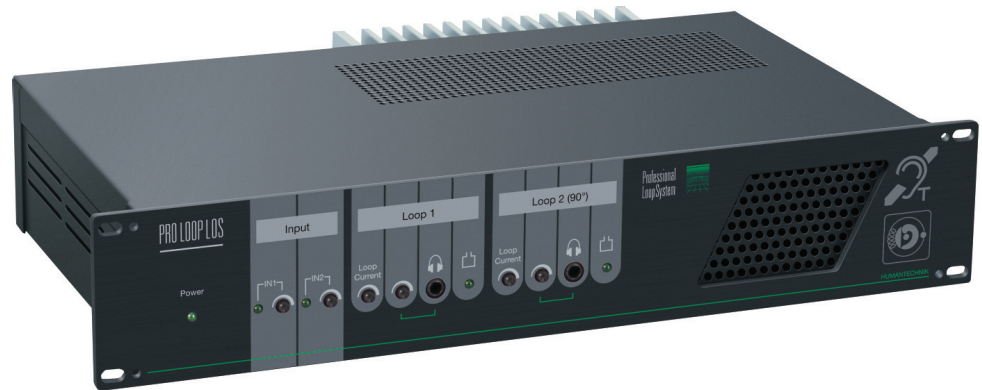
the missing piece to the puzzle.



Low overspill induction loop systems have traditionally required several devices, complex design, and high labour costs end to end... Until Now.

The Proloop LOS low overspill system by Humantechnik brings a new level of flexibility, configurability and affordability to assistive listening devices.

To find out more, contact Group Technologies to discuss your requirements with one of our induction loop specialists. A low overspill solution has never been simpler.



Humantechnik Proloop LOS. The Complete Low Overspill Solution In a Single Unit.

Integrating the entire electronic configuration required into a single enclosure provides a flexibly sized, reliable low overspill solution for the coverage of adjacent event rooms and assembly halls up to a size of 300 m².

The system is equipped with Automatic Gain Control (AGC) to produce stable sound with outstanding speech reproduction, even under difficult acoustic conditions. The values/data required to test the quality of the induction loop system can be conveniently picked up via an integrated monitor output.

- Uniform coverage throughout the room (no dead spots in the middle of the room)
- No signal fluctuations when hearing-aid users move around
- Reduced sensitivity to architecture-related magnetic fields
- High efficiency, low power consumption
- 19" 2RU rackmount enclosure
- Well suited for retrofitted installation in theatres, cinemas, concert halls, schools, conference rooms

Technical Data

Power	
Mains connection:	230 - 240 V AC, 50Hz, 25 - 700 W
Coverage:	300m ² acc. to IEC 60118-4, single-loop
Induction Loop Output	
Max. power:	60 A from peak to peak, 1-5ms, 1kHz, 2 x 13 A RMS, continuous 1kHz, short-circuit-proof
Max. voltage:	47 V from peak to peak
Output AGC:	Sets voltage and power for steady signals like oscillation and sine curves after 0.6-1 seconds to -10 dB. Short pulses and normal program signals are not limited
Frequency range:	70 - 10000 Hz (±3 dB)
Distortion:	< 1%
Cable connection:	2 screws on the rear panel of the amp
Outputs / Inputs	
Master OUT:	0 dBm, RCA (with AGC function)
Slave OUT:	0 dBm, RCA (with AGC function)
Input 1:	Combined XLR / 6.35 mm connection plug
MIC sensitivity:	2.5 mV - 10V RMS / 10 kOhms
Phantom voltage:	9 - 20 V or LINE sensitivity 37 mV - 10V RMS/10 kOhm
Input 2:	Dual RCA connections, 45 mV - 10V RMS / 10kOhm
SCART (IN/OUT):	Dual SCART, 50mV RMS IN (TV) / OUT (DVD-VCR-SAT)

AGC	
Dynamics:	> 70 dB
Rise time:	2 - 500 ms
Fall time:	0.5 - 20 dB/s

Control & Display	
Loop setting:	0 - 300m ² (loop-1 and loop-2 potentiometer)
Power supply:	LED green, lights up with mains connection
Correct input signal:	LED green, lights up when the AGC input is active
Input level:	IN 1 and IN 2 can be adjusted separately
Induction loop power:	LED green

Enclosure	
Dimensions (H x W x D):	88 x 438 x 280 mm
Colour:	Black



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