



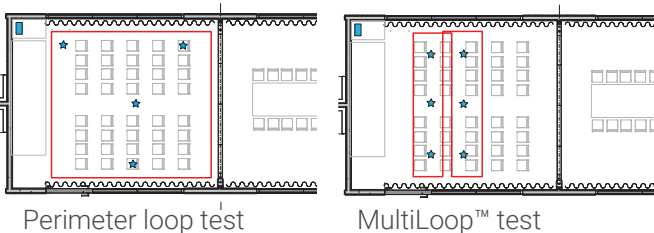
# HLS-2D Metal loss test driver

- Easily determine the correct loop system for the room
- Preset output level ensuring consistent test results
- Compact and lightweight



Determining metal loss and background noise levels are important steps in designing hearing loop systems to avoid loss of an intelligible signal and to meet the IEC 60118-4 international standard.

To correctly assess an area for metal loss and background noise a temporary loop will need to be used in either a Perimeter loop or figure of eight MultiLoop™ configuration, depending on the estimated levels of metal in the building structure.



- Determine the best loop (perimeter loop or MultiLoop™) for the room and application
- Compact and lightweight. Ideal for loop testing in all environments.
- Quick and simple operation. Quick set up made easy with industry standard connectors
- Excellent reliability, 5 year warranty and free technical support.
- Can be used to test existing loops and for powering a temporary loop e.g. for small shows, exhibitions, talks.

For this you will need a loop driver, a field strength meter, a loop cable, a signal source and a tape measure.

Carrying a full size loop driver around can be cumbersome and impractical to setup every time so Ampetronic developed the HLS-2D Metal Loss Test Driver.

The HLS-2D is a light, portable, loop driver with a preset output level to give consistent test results; and when used in conjunction with the Loopworks Measure R1 or Ampetronic FSM field strength meters, forms part of a quick and simple site assessment system.

Featuring:

- Low power consumption,
- Test area coverage of up to 45m<sup>2</sup>
- Low lifetime cost
- 12V Power supply. Can be used with a suitable 12V battery (not supplied) for totally portable testing.
- Transformer isolated inputs
- Preset output level, reducing set up and testing time
- Secure steel enclosure
- Clear and strong signal output

For more information contact our friendly and knowledgeable team on: +44 (0) 1636 610062 or email: [sales@ampetronic.co](mailto:sales@ampetronic.co)

**AMPETRONIC**

<b>Input 1 and 2</b>	3.5mm stereo socket, both audio channels are combined into the input signal for the driver.	
<b>Power</b>	Connector:	2.1mm DC Power socket, centre positive
	Nominal voltage:	12V DC
	Fuse:	1.5A PTC
	Power Consumption:	2.88W (240mA) continuous pink noise 9.2W (765mA) continuous sine <0.6W (<50mA) quiescent 14.4W (1200mA) max short term peak
	Indication:	LED in case
<b>Loop Output</b>	Connector:	2 x 4mm banana sockets
	Preset Output:	2.5A <sub>RMS</sub>
	Rated temperature limited	
	Output current (pink):	1.5A <sub>RMS</sub>
	Rated time for delivery:	10min
	Rated THD:	<1%
	Output Impedance:	>9Ω
Current Indication:	LED indicates >1A <sub>RMS</sub>	
<b>Loop Impedance</b>	0.3Ω to 1Ω, 1.3Ω reactive at 1.6kHz	
	Rated Load: 80uH, 0.5R	
<b>Freq. response</b>	100Hz to 5kHz ±1.5dB relative to 1kHz at low level.	
<b>Compression</b>	Time constants optimised for speech	
<b>Automatic Gain Control</b>	The AGC is optimised for speech. Dynamic range >38dB	
	Indication: LED in case	
<b>Size</b>	Width 77mm Depth 150mm Height 16mm	
<b>Weight</b>	272g	
<b>Environment</b>	IP40: <90% relative humidity, -30 to 75 °C	
	Heat dissipation <3W maximum, normally less	



**Testing kit includes:**

HLS-2D Driver, 12V power supply, 2x4mm connectors, 3.5mm signal input cable, soft case and full instructions

**Standards compliance**

- Safety, EMC:** The HLS-2D is CE marked to indicate compliance with relevant product safety and EMC standards.
- Loop Performance:** The test kit is the simplest and quickest way to assess whether an induction loop will perform to the IEC60118-4 standard.
- Specifications:** All information specified on this datasheet has been complied in accordance with the IEC 62489-1: 2010+A1:2014 Standard and reflects actual performance in realistic applications.

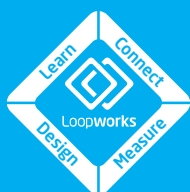
Ampetronic drivers have CE and UL marks to all relevant safety and EMC standards.



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- Installation accessories
- Signage
- Testing and measurement systems
- System design support
- Training and continuous personal development (CPD)
- Loopworks™ design and specification tools

Providing a genuine benefit.



To find out more about hearing loops contact our experts on +44 (0) 1636 610062 or email: sales@ampetronic.co

**AMPETRONIC**®

Listen to the difference  
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