

## HLS-2D Metal Loss Test Driver featuring a rugged steel enclosure

Developed to work in conjunction with the Loopworks Measure R1 or Ampetronic FSM, the HLS-2D Metal Loss Test Driver is a loop driver with a preset output level to give consistent test results as part of a quick and simple site assessment system.

The HLS-2D comes with a 12V power supply but can also be used with a suitable 12V battery. It uses efficient class D current drive technology to reduce power consumption and heat output.

It is the only truly portable loop test driver that is capable of generating test signals to the IEC60118-4 Standard.

The 4mm banana output sockets (included) allow simple connection to test cables and a 3.5mm single input cable completes the kit.

The unit has a 5 year warranty and free technical support.

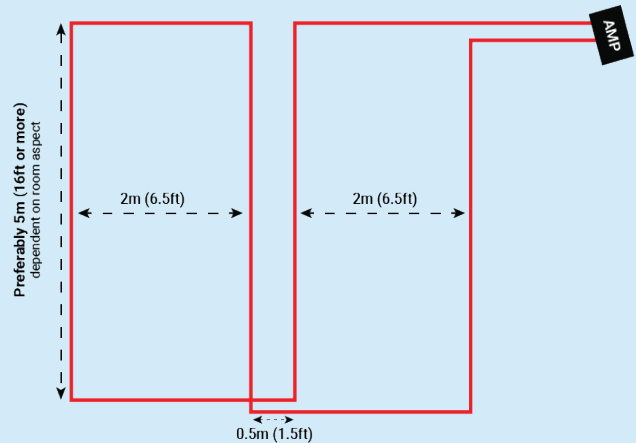


### Features

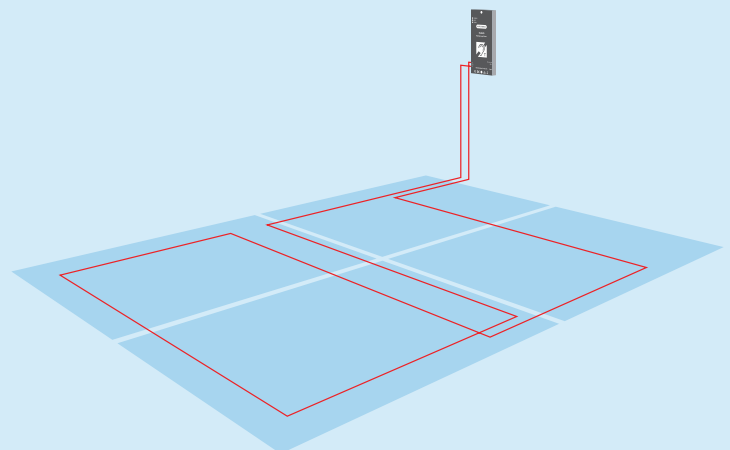
- **Compact and lightweight**  
Ideal for loop testing in all environments. Can be used with a suitable 12V battery for totally portable testing.
- **Low power consumption, quick and simple operation**
- **Test area coverage of up to 45m<sup>2</sup>**
- **Quick set up with industry standard connectors**
- **Low lifetime cost**  
Excellent reliability, 5 year warranty and free technical support.
- **Power supply**  
12V
- **Transformer isolated inputs**
- **Preset output level, reducing set up and testing time**
- **Secure steel enclosure**
- **Clear and strong signal output**
- **Can be used to test existing loops and for powering a temporary loop for small shows, exhibitions, talks, etc.**



### Recommended figure of eight test loop layout



### Loop testing and small temporary installations



# HLS-2D Product Information

## Power supply and consumption

- The kit includes a 12V 1.2A power supply, it can also be powered by a suitable 12V battery for totally portable testing

The HLS-2D draws less than 3W at 12V with typical test signals so a 12V battery of more than 4800mAh capacity will provide several hours of testing time.

## Standards Compliance

### Safety, EMC

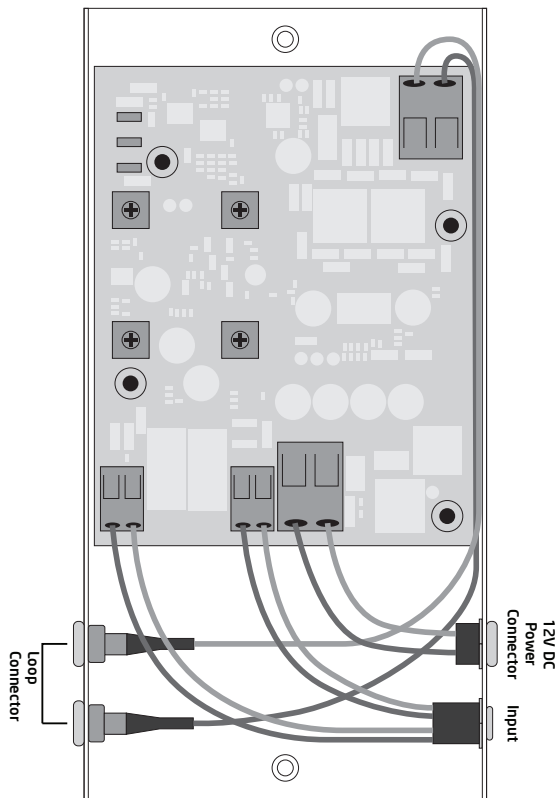
The HLS-2D is CE marked to indicate compliance with relevant product safety and EMC standards.

### Loop Performance

The test kit is the simplest and quickest way to assess whether an induction loop will perform to the IEC60118-4 standard.

### Datasheet & Specifications

All information specified on this datasheet has been compiled in accordance with the IEC 62489-1: 2010+A1:2014 Standard and reflects actual performance in realistic applications.



## INPUTS

<b>Power Supply</b>	<b>Standard format: 12V DC</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 (12V DC supply) 9.2W (765mA) continuous sine <0.6W (<50mA) quiescent 14.4W (1200mA) max short term peak
Indication:	LED in case
<b>Input 1 &amp; 2</b>	Connector: 3.5mm stereo socket, both audio channels are combined into the input signal for the driver.

## OUTPUTS

<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:	1min
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

## AUDIO SYSTEM

<b>Freq. Response</b>	100Hz to 5kHz ±1.5dB relative to 1kHz at low level.
<b>Compression</b>	Time constants optimised for speech
<b>(AGC)</b>	Dynamic range: >36dB
Indication:	LED in case

## PHYSICAL

<b>Dimensions</b>	Width: 77mm
	Length: 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

**AMPETRONIC**



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