

Two sets of field generating and pick-up coils are available and are precision manufactured to meet the specifications given in MIL-STD-461 and MIL-STD-462D. Housings are made from Delrin and loops are either aluminum or copper wire.

Field generating coil, **PLH-2050** and field pick-up coil, **PLA-2050** are designed to meet the test requirements specified in MIL-STD-461E.

Models **PLA-451** & **PLH-450** comprise a system, which enables the lab technician to verify the ability of an EUT to withstand radiated magnetic fields.

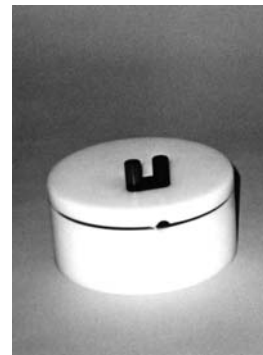
Model **PLH-450** conforms to MIL-STD 462D and is a 20 turn coil of AWG-12 enamel insulated copper wire that uses a 5 cm spacing from the top of the loop to the center of the coils.

Model **PLA-451** sensing loop is a 4cm diameter, shield loop antenna made from 51 turns of 7-strand AWG 41 Litz wire.

Theoretically calculated performance data for field generating coils **PLH-450** & **PLH-2050**, and field pick-up coils **PLA-2050** & **PLA-451**, are supplied with each unit.



**PLA-451 & PLH-450**



**PLH-2050**



**PLA-2050**

## SPECIFICATIONS

	<b>PLH-2050</b>	<b>PLA-2050</b>	<b>PLH-450</b>	<b>PLA-451</b>
<b>TYPE OF COIL</b>	Field Generating	Field Pick-Up	Radiating	Sensing
<b>FREQUENCY RANGE</b>	20 Hz – 100 kHz	20 Hz – 100 kHz	30 Hz – 100kHz	30 Hz – 100 kHz
<b>IMPEDANCE (OHM)</b>	50*	50*	50*	50*
<b>CONNECTOR</b>	Banana Jack	BNC Female	Banana Jack	BNC Female
<b>CONSTRUCTION</b>	10 turns of AWG-16 wire	36 turns of 7x41 Litz wire	20 turns of AWG-12 wire	51 turns of 7x41 Litz wire
<b>HEIGHT(IN.)</b>	3.1	7	2.3	5.3
<b>BASE DIMENSIONS</b>	N/A	3" x 2.5"	N/A	1" x 2"
<b>DIAMETER ( IN.)</b>	4.7	5.2	5.2	1.8
<b>WEIGHT (LBS.)</b>	1	2	0.35	0.7

\* Typical response given for 50 ohm input impedance