

## INDUCTION LOOPS

The PDA range of induction loop equipment is one of the most comprehensive in the UK. It comprises a huge range of amplifiers, microphones, connector plates and test equipment covering virtually every conceivable AFILS application.

Before deciding which induction loop system to use, you first need to ascertain the size of the area to be covered in square metres (m<sup>2</sup>). Bear in mind it may not be necessary to cover the whole of the area, for example in a church only the pews may require coverage.

To calculate the size of the area in square metres, multiply the length by the width. For example, a room 6m x 6m in size would equal 36m<sup>2</sup>. The coverage provided by an AFILS amplifier is also quoted in square metres. The chart below will help you select the best PDARange product(s) for the job.

### Induction loop amplifier selection chart

| PDA PRODUCT  | SIZE OF AREA REQUIRING COVERAGE                                     |
|--|---|
| PL1 portable loop kit<br>ML1/K counter loop kit<br>PDA102C counter loop kit<br>VL1/B1 vehicle loop kit | Counters, desks, tables & other small areas up to 1.2m <sup>2</sup> |
| PDA102L/R/S small room kits<br>DL50/K domestic loop kit  | Rooms up to 49m <sup>2</sup><br>(7 x 7m)                            |
| AK RANGE loop kits<br>PDA200E amplifier  | Rooms up to 120m <sup>2</sup><br>(11 x 11m)                         |
| PDA200/2 professional loop amplifier   | Rooms up to 200m <sup>2</sup><br>(14 x 14m)                         |
| PDA500/2 professional loop amplifier   | Rooms up to 500m <sup>2</sup><br>(22 x 22m)                         |
| PDA1000/2 professional loop amplifier  | Rooms up to 900m <sup>2</sup><br>(30 x 30m)                         |

Designed to meet or exceed the requirements of BS7594 and EN60118-4 when correctly installed, all of the amplifiers in the PDA range offer excellent intelligibility, true current mode amplification, phantom power (for electret microphones) and full compatibility with the 'outreach plate' audio input extension system (except the PL1, VL1 and DL50). Many are also available in kit format for ease of specification, purchase and installation.