

### AKW1

200m2 Place of Worship Hearing Loop Kit



#### Overview

Includes a PDA200E hearingloop amplifier, AML lectern microphone, APJ 3.5mm jack input plate, APL line level audio inputplate and 2 x 6m of Belden cable.

Ideal for creatinga high quality hearingloop system for a place of worship.

Wall-mountable PDA200E amplifier capable of driving a perimeter loop of up to 200m2.

Internal drive, level and metal compensation controls.

Two balanced / unbalanced line level inputs.

One microphone input with 12V phantom power for electret microphones.

Full compatibility with the Outreach plate audio input extension system.

Fully compliant withBS EN 60118-4 when correctly installed.

Loop cable not included-use our LOOP2W1mm2 cable or download our AFILS loop calculator from our Software & Apps page for Anore precise recommendations.

#### **Technical Specifications**

Туре	Wall mounting. Requires fixed Mains wiring.
Coverage	200m2 approx.
Mains supply	230V 50/60Hz.
Auxiliary inputs	1 Microphone and 2 x Line/Outreach screw connectors (on PDA200E).
Indicators	Input level; loop current meter (peak 3, 2, 1); compression; power on.
Controls	Input level; loop drive, metal compensation.
Product dimensions (mm)	W 271 x H 200 x D 77mm (amplifier only).
Construction & finish	White painted steel (PDA200E); plastic accessories.
IP Rating	IP20.
Weight	2.9 kg (amplifier only).
Operating conditions/temperature	-5°C to +40°C. Max relative humidity: 95%.
Kit contents	PDA200E 200m2 heaing loop amplifier; AML lectern microphone, APJ 3.5mm jack input plate and APL line level audio input plate; 2 x 6m Belden cable; Loop Fitted sticker. Loop cable IS NOT included.







- Ideal for meeting rooms, lecture theatres, churches, schools, TV lounges, shops and other small to medium sized applications
- Provides max. square room coverage of 120m<sup>2</sup> (11m x 11m) or max. rectangular room coverage of 250m<sup>2</sup> (10m x 25m)
- Straightforward internal screw connectors
- Wall mountable for permanent installation

   ideal for schools and colleges where
  rooms are often left unsupervised
- Internal tamper-resistant drive, level and tone controls
- One balanced/unbalanced microphone input
- One balanced/unbalanced line level input
- Alert tone switch input for doorbells, fire alarms, security systems, etc
- > 100V line input for PA system connection
- Fully automatic compressor-limiter
- Full 2Ω drive capability for increased coverage at higher frequencies
- Compatible with SigNET's unique 'outreach plate' input extension system
- Available in a variety of kit formats to suit a host of typical loop installations

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Fully compliant with EN60118-4 (formerly BS6083) and BS7594:1993

PDA200E

OOP

# **PDA200E** WALL MOUNTING INDUCTION LOOP AMPLIFIER



The PDA200E has revolutionised the induction loop marketplace by bringing the ability to understand, install and appreciate the technology involved to a whole new client base.

Straightforward internal screw connectors and preset controls mean no specialist audio experience or audio connectors are required. By following the simple set-up procedure, no further adjustments are necessary, allowing a top quality assistive listening system for the hard of hearing to be set-up in its entirety by new and experienced installers alike.

No less than four easy-to-access inputs are provided:-

- Balanced/unbalanced mic (with phantom power for use with electret mics).
- > Balanced/unbalanced line (for the connection of TV and other audio feeds).
- Alert tone switch (a tone generator for use with doorbells, fire alarms, etc).
- 100V line (for the connection of PA system audio feeds).

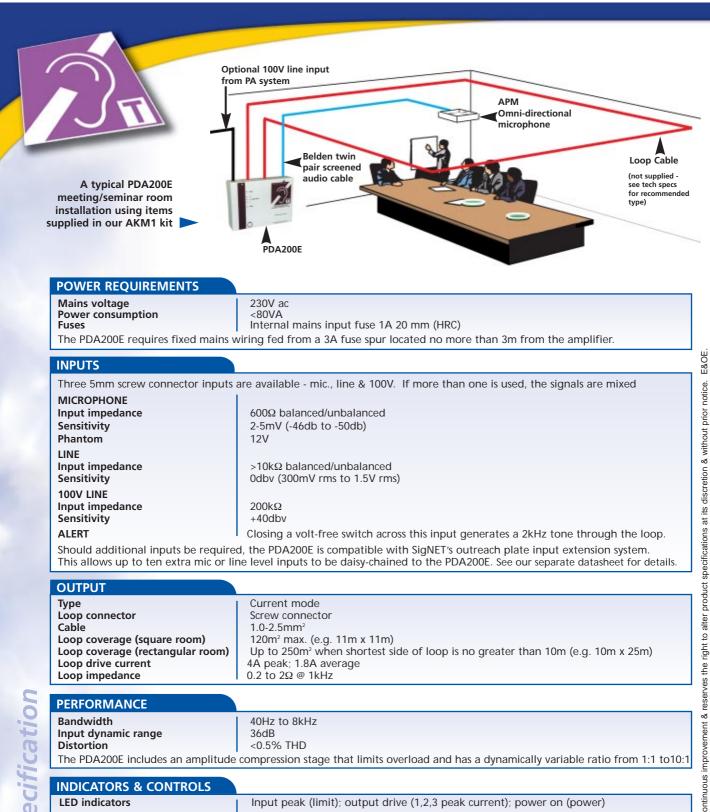
The amplifier's state-of-the-art current drive audio processing circuitry includes an automatic compressor/limiter which maintains the loop signal within a small dynamic range to improve intelligibility. Manual adjustments can also be made using the amplifier's internal tamper-resistant drive, level and tone controls, allowing the system to be tailored to suit the exact requirements of any room.

## For ease of specification and installation the PDA200E is available on its own or in the following kits formats:-

- AKM1 Meeting/seminar room kit
  - AKR1 Waiting room kit
    - AKT1 TV/Music lounge kit
      - AKW1 Place of worship kit 1
      - AKW2 Place of worship kit 2
        - AKH1 Heath and fitness club kit
        - AKL1 Lecture room kit
          - AKU1 Retail unit kit

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(the exact contents of each kit are listed overleaf)



One level control, adjustable between -35dB to +0dB for both line and microphone

One output drive control, giving a loop current adjustable between 40mA & 2.1A One mid-range cut & boost tone control (frequency = 1kHz; cut= -17dB: boost =+17dB)

1x PDA200E and 1x APL outreach plate (for the connection of paging systems).

1x PDA200E, 1x AMH handheld microphone c/w APJ outreach connection plate and

1x PDA200E, 1x AMT tie/desk microphone c/w APJ outreach connection plate and

1x PDA200E, 1x AML lectern microphone c/w APJ outreach connection plate and

1x PDA200E, 1x AMR radio microphone c/w APQ outreach connection plate and

1x PDA200E and 1x AML lectern microphone c/w APJ outreach connection plate. 1x PDA200E, 1x AMR radio microphone c/w APQ outreach connection plate and

1x APL outreach plate (for the connection of audio inputs from CD, tape decks, etc.

1x APS scart to dble phono lead c/w APL outreach plate (for the connection of TVs, etc)

273 mm x 200 mm x 77 mm / 2.9kg (unpacked)

1x PDA200E and 1x AMP Omni-directional plated microphone.

1x AML lectern microphone c/w APJ outreach connection plate.

2x APXM outreach plate (for the connection of existing microphones)

1x APL outreach plate (for the connection of CD/tape decks, etc)

User controls

**DIMENSIONS & WEIGHT** Width x Height x Depth / Weight

**PDA200E KIT VARIANTS** AKM1 Meeting/seminar room kit

AKR1 Waiting room kit

**AKL1 Lecture room kit** 

**AKU1 Retail Unit kit** 

AKT1 TV/music lounge kit

AKW1 Place of worship kit 1

AKW1 Place of worship kit 2

AKH1 Heath and fitness club kit

continuous SigNET operates a policy of Approved Doc. No. DCS0002136 Rev1.