

# EEG Shielded Rooms



**GLOBAL EMC**  
ELECTROMAGNETIC SHIELDING & ANECHOICS EST. 1994



## Choose This Test Chamber For

EEG (Electroencephalogram), EMG (Electromyogram) and ECG (Electrocardiogram) experiments, research and testing can be performed in this room.



### Universities

Research facility for Psychology departments. The shielded room provides a stable and reliable environment.



### Medical

Suitable to be installed in medical environments including wheelchair access into the facility.



### Effective Shielding

High performance optimised shielding for VLF/ELF frequencies.

## More About This Product

The EEG-SR is a self-standing structure, suitable for installation in universities or hospitals.

It is constructed of a specially developed modular high magnetic permeability shield Iron+ ® that provides high quality and superb performance shielding.

Each room is internal finished with dimmable lighting, filtered mains power sockets, dark walls and carpets and silenced air conditioning systems. Waveguides and EMI filters are provided for data and equipment cabling.



## Reducing Interference

Sound Dampening - For those looking at reducing noise, our EEG test facilities are available with added sound dampening and anti-vibration floor mounts.

Exposure Limits:

- ECG mains frequency field limits – 400nT p-p or 4mG p-p
- EEG mains frequency field limits – 200nT p-p or 2mG p-p



## Key Features

Maximised internal area.

High magnetic permeability passive shield Iron+®.

Industry-leading low maintenance shielded door with copper-beryllium knife-edge seals.

Silenced Air conditioning system.

Sound proofing.

The room is shipped in component form and all parts shall pass through a standard doorway.

Designed and manufactured to the highest standards in Great Britain.

Bespoke solution upon request. Test facility can be configured to your exact requirements

Dimmable fibre optic lighting.

Anti-vibration floor mounts.

Power and data outlets as standard.

Designs created in Solidworks and AutoCAD to ensure ideal configuration and coordination.

## Full Specification

**External Dimensions**  
2.5m (L) x 2m (W) x 2.3m (H)\*.

**Floor Loading (Standard)**  
250Kg/M<sup>2</sup>\*.

**Access Ramp**  
Included.

**Additional Options Include:**

Mast, Fire detection, Vehicle Sliding Doors, Air conditioning (HVAC), CCTV, Test benches, Vehicle fume extraction, Whitecaps to absorbers, Lighting, Power, Turntable, Heavy floor loadings, DC Sockets, Filters & Audio communication.

\*All dimensions can be altered upon request (subject to compatibility).

**Typical Internal Dimensions**  
2400mm (L) x 1900mm (W) x 2190mm (H).

**Penetration Panel**  
2 x Fibre waveguides.

**Power Distribution**  
4 x 230V AC DSSO Sockets.

**Shielded Pedestrian Door (Clear Opening)**  
1000mm (W) x 2000mm (H)\*.

**Lighting Fibre**  
Optic dimmable.

**Internal Colour**  
Dark matt finish or optional.



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