

IG-442E

IG-442E is our biggest product at the E series.

The chamber height is 220 cm, and we have two separate doors for better access.

IG-442E design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G, WLAN, GPS and WiMAX.

It may also be used for cell-site testing, RF resistor testing and two-way radio testing.



Features

- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of 120dBm minimum attenuation tested as per as
- MIL-STD-285D up to 6GHz
- High performance construction of SAE 1020 and copper EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- Manual operation with front loading, big handle opened door.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna. Manufacturer's C.O.T. and test results included.
- For large UUT's
- Custom-made product adaptable to any application..

Accessories

- 3x Honey-comb vent windows 265X265 mm
- Exhaust fan
- 4 SMA connectors
- Filtered terminal 220VAC max 32 Amp
- AC power supply plug in + cord cable
- 4 Outlet 120VAC/15A
- Filtered terminal 50VDC max 20 Amp
- DC Plug in
- RF absorbent foam liner
- Double lip RF sealing
- Grounding Point
- Internal illumination

Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panel with any filtered connectors you may need.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port systems
- Extra custom-made requirement

Technical Data

IG-442E

Dimensions - External	Dimensions - Internal
Width: 100cm	Width: 97cm
Depth: 100cm	Depth: 97cm
Hight: 220cm	Hight: 217cm
Material	Opening System
Body: SAE 1020	Manual operation
Door: SAE 1020	Front loading
Frames: SAE 1020	2 door, side open
Brackets: SAE 1020	Torque special locking system
Fan: Rubber, Sponge and Plastic	RF shielding doors
Gaskets: Rubber, Sponge and Plastic	
Electric system	Air vents
220 VAC max 16 Amp	3XEMI shielded honeycomb 265X265
4 outlet power strip 220 VAC	8X AC fan 80x80 - 40 CFM, magnetic - bearing, silence
External power cable 220 VAC + plug	
100VDC filter 20amp with easy-to-use plug in.	
Interrail lighting	
IO's plate	Internal RF absorber
Filtered SMA x4	24 db , internal surfaces covering with RF absorber foam
Attenuation level	Quality
0.1GHz - 1.0GHz > 120dB	Testing according to MIL-STD 285
1.0GHz - 3.0GHz > 120dB	A C.O.A will be attached to each box.
3.0GHz - 6.0GHz > 120dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty - one year from delivering

