

# IG-442E

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

The chamber height is 220 cm, and he 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 100dBm minimum attenuation tested as per as IEEE Std 299-2006 up to 40GHz.
- Design especially for multiple usages.
- High performance construction steel and copper EMC shielding with RoHS compliant welding and RAL 9010 STD coating.
- User-Friendly, compact design, and lightweight.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna.
- Manufacturer's C.O.T. and test results included.
- For small-medium UUT's
- Custom-made product adaptable to any application.

## Accessories

- Shielded vent windows
- 4 SMA connectors
- Filtered 220VAC max 16 Amp
- AC power supply plug in + cord cable
- Filtered terminal 50VDC max 20 Amp
- RF absorbent foam liner
- Double lip RF sealing
- Grounding Point + Internal illumination

## Optional Accessories

- Anechoic absorber lining for 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

# IG-442E

## Technical Data

IG-442E	
Dimensions - External	Dimensions - Internal
Width: 100cm	Width: 93cm
Depth: 107cm	Depth: 94cm
Hight: 200cm	Hight: 193cm
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	2XEMI shielded honeycomb 260X260
4 outlet power strip 220 VAC	4X AC, 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 - 6.0GHz > 120dB	Testing according to IEEE Std 299-2006
6.0GHz - 18.0GHz > 110dB	A C.O.A will be attached to each box.
18.0GHz - 40.0GHz > 100dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty - one year from delivering

