IG-100-OV

igos·MN LTD.
RF Shielding

The **IG-100-OV** built especially for testing your product in extreme environment.

The **IG-100-OV** fits itself into climate chamber and allows the user to test its products in high and low temperature.

The **IG-100-OV** design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G, 4G, 5G, 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 90dBm minimum attenuation tested as per as IEEE Std 299-2006 up to 12GHz.
- Fit into climate chambers.
- Allows testing in extreme conditions and in high temperature differences of -50C° – 120C°.
- High performance construction stainless steel and copper EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- 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 UUT's
- Custom-made product adaptable to any application.

Accessories

- air vent windows x 2
- SMA connectors x4
- Manual opening door handle.
- Double lip RF sealing

Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panel
- Waveguide for optic fibers
- Additional in-port/out-port connectors
- Filtered terminal 50VDC max 20 Amp

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Technical Data

IG-100-OV	

Dimensions – External	Dimensions – Internal
Width: 40cm	Width: 35cm
Depth: 27cm	Depth: 22cm
Hight: 31cm	Hight: 28cm

Temperature range	
(-50°) up to 120°	

Material	Opening System
Body: Stainless Steel	Manual operation
Door: Stainless Steel	Front loading
Frames: SAE 1020	Toggle opened door
Brackets: SAE 1020	Latch locking action
	RF sealing set

Electric system	Air vents
100VDC filter 20amp with easy-to-use plug in.	EMI shielded windows (honeycomb)

IO's plate	Internal RF absorber
SMA x 8 adaptors , LAN Ethernet x 5 filters	24 db, internal surfaces covering with RF absorber foam
DC filters x 4 terminals	

Attenuation level	Quality
0.1GHz – 3.0GHz > 85dB	Testing according to IEEE Std 299-2006
3.0GHz – 6.0GHz > 85dB	A C.O.A will be attached to each box
6.0GHz – 12.0GHz > 80dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty – one year from delivering