

Suitable for evaluation of devices such as cellular phone, smart-phone, tablet terminal and portable game machine with wireless communication function !!

DUT can be operated directly with bare hands while placing it in the box and looking at the inside from the shield window.



Specifications

Outside dimensions	approx. 320(W)×240(H)×360(D)mm (excluding projections)
Inside dimensions	approx. 250(W)×160(H)×290(D)mm
Weight	approx. 8kg (excluding I/F module)
Structure	Double structures with radio wave absorber and aluminum plate
Shielding effectiveness	more than 60dB (600MHz to 6GHz)
Reflection loss	more than 20dB (≥2.4GHz)
Shield window	approx. 140(W)×140(D)mm
Connector	SMA 4 pcs
Option	<ul style="list-style-type: none"> • I/F module (possible of installing one module of IFM1 to IFM6 on the back.) • Shielded arm cover (factory option, MY3700-001) ※Standard is only one side. • Conduction arm supporter (MY3700-002) • Anechoic box stand (adjustable inclination angle, MY3700-101) • LED light (battery drive, MY3700-102)

Features

- Though MY3710 is small and light weight, it is possible to put one hand or both hands (optional MY3700-001 is installed) in it. Moreover DUT can be operated with bare hands. (※①)
- Despite of use of shield window, shielding effectiveness over 60dB is ensured at frequency from 600MHz to 6GHz. (※②)
- One touch lock mechanism
- Optional I/F modules from IFM1 to IFM6 correspond to the various interfaces. (※③)



(MY3710 equipped with IFM1)

- (※①) 10-inch tablet terminal can be put in box.
Since it is possible to operate directly with bare hands, poor reaction of touch panel by using the glove type will be eliminated and the fine operation will be able to be done.
- (※②) The various radio waves such as 3G / 4G (LTE / WiMAX) / Wi-Fi (2.4GHz & 5GHz bands) which are a mainstream in communication system of mobile terminal will be blocked off.
This performance is realized by our own technology regarding shield window.
- (※③) By exchanging the optional I/F module, the various interfaces can be used.
Since the noise filter is inserted in almost these interfaces, the influence of noise entering from the cable will be reduced.

Option

I/F module

I/F module is equipped with AC power supply, DC power supply, LAN, USB, SMA, BNC, N, Triaxial, D-sub connectors and Through pipe. The I/F module can be easily replaced if needed.

Model	Equipped connectors
IFM1	AC(1pc), LAN(1pc), USB(1pc), D-sub9pin(1pc)
IFM2	AC(1pc), LAN(2pcs), USB(2pcs), D-sub9pin(1pc)
IFM3	AC(1pc), LAN(2pcs), USB(2pcs), D-sub25pin(1pc)
IFM4	DC(1pc), LAN(1pc), USB(1pc), D-sub9pin(1pc), D-sub25pin(1pc)
IFM5	SMA(2pcs), BNC(2pcs), N(2pcs), Triaxial(2pcs),
IFM6	Through pipe (two kinds are selectable.) ※Inner diameter is different depending on the frequency band.

Shielded arm cover ※factory option

Option for inserting a hand. Standard is only one side.

Conduction arm supporter

This increases the conductivity between the shield arm cover because conductive material is used.

Model name	Model number
Shielded arm cover	MY3700-001
Conduction arm supporter	MY3700-002
Anechoic box stand (adjustable inclination angle)	MY3700-101
LED light	MY3700-102



(MY3710 equipped with IFM1 and MY3700-001)

Application

case.1 Weak electric field tolerance evaluation

- ① For the purpose of weakening the radio wave strength of the operational radio wave, the anechoic box (shield box) is used.
- ② The receiving level is monitored by a spectrum analyzer or a signal analyzer.
- ③ The signal output level of base station simulator is attenuated by a programmable attenuator.

Check point :

The evaluation of the state of communication when radio wave in wireless communication area is weak.



State inserting both hands (Optional MY3700-001 is installed)

※ Standard is only one shield arm cover at one side.



Monitoring DUT put inside

Directional coupler



Spectrum analyzer MSA400 series
Signal analyzer MSA500 series

High-speed programmable attenuator
MAT800 series or MAT810



(ex) Base station simulator

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