



TC-5970C RF Shield Box

Application

TC-5970C Shield Box provides RF isolation and signal connections necessary for wireless devices testing. With the RF coupling accessory and filtered control ports, TC-5970C makes an ideal solution for testing mobiles, Bluetooth, DAB/DMB, RFID, Zigbee, CardBus/PCMCIA, mini PCI, USB, or LAN devices and small RF devices on the test benches of manufacturing, R&D, service, and QC.

Features

- Reliable High RF Shielding up to 6GHz
- Manual operation
- Easily latching handle for repetitive operator use.
- Easily customizable to meet various test needs
- Outside side mounted shock absorbers on lid
- RF Absorbent foam liner
- Built in RF Connector : 5 N(f) outside and SMA(f) inside
- Constructed of cast aluminum alloy
- I/O module plates and interfaces are designed ergonomically with double wall housing to minimize RF leakage
- **Special RF Absorber lined**

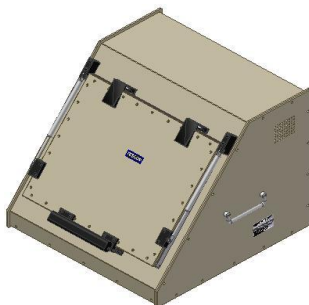
Specification

Shielding Effectiveness :

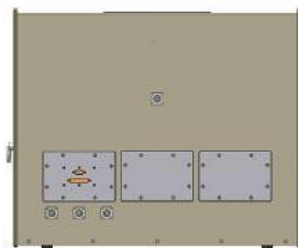
- 100dB @ 1GHz
- 90dB @ 3GHz
- 80dB @ 6GHz

Dimension :

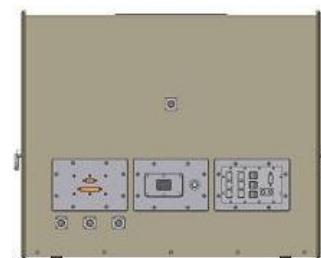
- Inside : 530(W)×540(D)×420(H)mm, 195(D)mm top side
Or 21.25 Inch(W) x 21.65 Inch(D) x 16.92 Inch(H), 8 Inch(D) top side
- Outside : 620(W)×680(D)×531(H)mm
Or 24.4 Inch(W) x 26.7 Inch(D) x 20.9 Inch(H)
- Lid Size : 507(W)×398(H) or 19.96 Inch(W) x 15.66 Inch(H)
- Weight : approx. 50kg or 110 lbs
- Packed Weight : approx. 65kg or 143 lbs



Front view



Rear view with M597002A & 2x M597001A



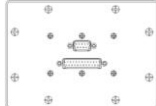
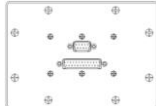
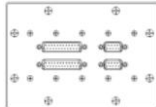
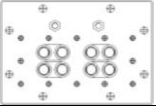
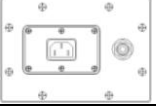
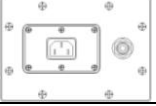
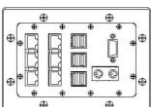
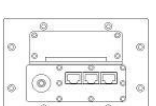



Rear view with M597002A, M597006A & M597007A

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



Optional I/O Modules for TC-5970C

Appliance	Module Number & Description
	M597001A ; Blank Panel
	M597002A ; Data Interface Module 1000pF pi filter - DB9(p) outside and DB9(s) inside, 1000pF pi filter - DB25(p) outside and DB25(s) inside, 1000pF pi filter
	M597002B ; Data Interface Module - 1 USB2.0 A type outside and inside - DB25(p) outside and DB25(s) inside, 1000pF pi filter
	M597003A ; Data Interface Module 100pF pi filter - DB9(p) outside and DB9(s) inside, 100pF pi filter - DB25(p) outside and DB25(s) inside, 100pF pi filter
	M597004A ; Data Interface Module, 2 x DB9, 2 x DB25 - 2 DB9(p) outside and DB9(s) inside, one 100pF pi filter & one 1000pF pi filter - 2 DB25(p) outside and DB25(s) inside, one 100pF pi filter & one 1000pF pi filter
	M597005A ; RF and DC Power Module - 2 SMA (f) outside and SMA (f) inside - 4 Dual banana jack
	M597006A ; Power Interface Module - AC Inlet, 100VAC~300VAC, 10A (Non-US Standard Inlet) - Air fitting, 6mm OD.
	M5970C02A ; Power Interface Module - AC Inlet, 100VAC~300VAC, 10A(US Standard Inlet) - 1 N(f) outside and SMA(f) inside
	M597007A ; Notebook PC Interface Module - 2 PS/2 for Keyboard & mouse - 6 USB A(p) 2.0, 10pF pi filter, up to USB2.0 full-speed - 6 RJ45, 10pF pi filter, up to 100 Mbps data rate (*) - DB15(p) outside, DB15(s) inside, 10pF pi filter, for Display Monitor ※ Shielding Effectiveness : > 50dB DC~2.5GHz, >50dB 2.5~5.8GHz
	M597008A ; W-LAN CardBus Controller Module for Desk Top PC - 100pin to 100pin, Shielded Flat Cable, 10pF pi filter, for CardBus or Mini PCI - 3 RJ-45, 10pF pi filter, up to 100 Mbps data rate(*) - DC Power Jack ※ Shielding Effectiveness : > 55dB DC~2.5GHz, >50dB 2.5~5.8GHz
	M597009A ; W-LAN CardBus Extender Module for Notebook - 100pin, Shielded Flat Cable, 10pF pi filter, for CardBus or Mini PCI - 3 RJ-45, 10pF pi filter, up to 100 Mbps data rate(*) - DC Power Jack ※ Shielding Effectiveness : > 50dB DC~2.5GHz, >50dB 2.5~5.8GHz

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Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

TC-5970C Shield Box Data Sheet

	M597023B : RF and RJ45, DB25 Data interface Module
N/A	<ul style="list-style-type: none"> - 60dB> at 900MHz, >60dB at 1.8G at 2.4Gz, > 55dB at 5.8GHz - 1 N(f) outside and SMA (f) inside - RJ45 outside and inside, 10pF Pi filter - One DB25(p) outside, DB25(s) inside, 1000pF Pi filter
	M597023C : RF and USB, DB25 Data interface Module
N/A	<ul style="list-style-type: none"> - 60dB> at 900MHz, >60dB at 1.8G at 2.4Gz, > 55dB at 5.8GHz - 1 N(f) outside and SMA (f) inside - USB2.0 10pF Pi filter - One DB25(p) outside, DB25(s) inside, 1000pF Pi filter

(*) Approximate communication data rate. Data rate varies depending on in/out impedance of Tx and Rx.

DB9 connector is replaceable with USB or RJ45

Ordering Information

TC-5970C, Shield Box w/o Module

Optional items

M597001A, M597002A, M597002B, M597003A, M597004A, M597005A, M597006A, M597006C, M597007A, M597008A, M597009A, M597023B, M5970023C and more...

Antenna Coupler

TC-93023B for 2.4GHz

TC-93060A for 6GHz and more

RF Cable for 5.8GHz

4011-0001, SS402, N(m) to N(m) 1m

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