



**Concentric Technology Solutions Inc**

Testing Solutions for the Wireless Industry

# TC-5910D Shield Box



## Features

- Reliable High RF Shielding up to 6 GHz
- Manual operation
- Easily customizable to meet various test needs
- Shock absorber on lid



# Specifications

## Mechanical Specification

Dimension	
Inside	130(W) x 235(D) x 138(H) mm
Outside	207(W) x 424(D) x 170(H) mm, lid closed. 435(H) mm, lid open
Weight	approx. 5 kg
*Packing	
Size	450 (W) x 365(D) x 280(H) mm
Weight	approx. 6 kg

\*The size or weight of a package may vary on how to pack a package.

## Typical RF Shielding

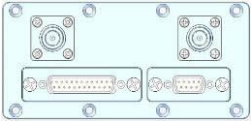
The shield effectiveness below is measured when the blank panel is mounted; other I/O interface panel results a different shielding effectiveness of the shield box.

100 to 2000 MHz	> 70 dB
2000 to 3000 MHz	> 70 dB
3000 to 6000 MHz	> 50 dB

# Ordering Information

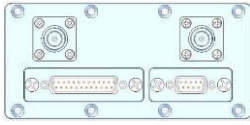
Order Number	Description
	<b>Shield Box (including accessories below)</b>
TC-5910D	Operating Manual Test Report RG400S, N(m) to N(m) cable, 1 m, 1 pc

## I/O Interface Panel

	Order Number	Configuration
	M591011A	<ul style="list-style-type: none"> <li>*Shielding Effectiveness:&gt;70 dB from 0.1 to 2 GHz, &gt;60 dB from 2 to 3 GHz, &gt;55 dB from 3 to 6 GHz</li> <li>DB9(p) outside and DB9(s) inside, 1000 pF Pi filter</li> <li>DB25(p) outside and DB25(s) inside, 1000 pF Pi filter</li> <li>2 N(f) outside and SMA(f) inside</li> <li>Data line Capacity : 100 VDC, 3 Amps max</li> </ul>

**Data Interface Panel**

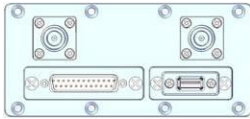
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



Data Interface Panel

M591011B

- \*Shielding Effectiveness: >70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz
- DB9(p) outside and DB9(s) inside, 100 pF Pi filter
- DB25(p) outside and DB25(s) inside, 100 pF Pi filter
- 2 N(f) outside and SMA(f) inside
- Data line Capacity : 100 VDC, 3 Amps max



USB2.0 Interface Panel







M591012A

- \*Shielding Effectiveness: >60 dB from 0.1 to 6 GHz
- DB25(p) outside and DB25(s) inside, 100 pF Pi filter
- USB A(p), 10 pF Pi filter
- Data line Capacity : 100 VDC, 3 Amps max

\*Each shielding effectiveness is measured when each I/O interface panel, which is shown above, is mounted.

I/O Interface

Customized I/O Interface panels are available. Please contact us for more information.

I/O Interface	Order Number	Typical Data Rate / Line Voltage	*Typical Shielding
 DB25, 1000 pF Pi Filter	3409-0009-1	3 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DB25, 100 pF Pi Filter	3409-0014-1	10 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DB9, 1000 pF Pi Filter	3409-0008-1	3 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 DB9, 100 pF Pi Filter	3409-0010-1	10 Mbps	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 USB A(p) 2.0, 10 pF Pi Filter	3409-0018A-3	480 Mbps	>60 dB from 0.1 to 6 GHz
 RJ-45, 10 pF Pi Filter	3409-0022A	250 Mbps	>60 dB from 0.1 to 3 GHz

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	3409-0004A	50 VDC, 3 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
	3409-0005A	50 VDC, 50 VDC, 10 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
		250 VAC, 7 Amps max	>70 dB from 0.1 to 2 GHz >60 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz

\*Each shielding effectiveness is measured when each I/O interface panel, which is shown above, is mounted.

**FIXTURE**

	Order Number	Size
	F59105A	140(W) x 210(D) x 11(H) mm

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