



Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

TC-5922AE Magnetic Shield Box



Features

- High RF shielding
- Easy Opening/Closing of Door
- EMI filter on all Data and DC lines
- Easily customizable to meet various test needs
- Shock Absorber on lid
- Ferrite inside the shield box for the signal absorption



Specifications

Mechanical Specification

RF Connectors without module	2 N (f) outside and SMA (f) inside
Line voltage	DC 24 V, Max. 2A
Dimension	
Inside	295(W) x 440(D) x 217(H) mm
Outside	382(W) x 560(D) x 290(H) mm, lid closed. 680(H) mm, lid open.
Weight	approx. 23 kg
*Packing	
Size	800 (W) x 620(D) x 530(H) mm
Weight	approx. 26 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	> 65 dB
2000 to 3000 MHz	> 65 dB
3000 to 6000 MHz	> 55 dB



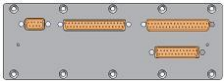
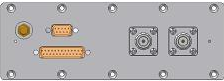
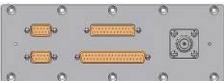

Ordering Information

Order Number	Description
	Magnetic Shield Box (including accessories bellow)
	Operating Manual
	Test Report
TC-5922AE	DB9(p) –DB9(s) 2 m, 1pc
	RG400S, N(m) to N(m) 1 m, 1 pc
	Switching Power Supply, 1 pc
	Locking Holder, 1 pc

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



I/O Interface Panel

	Order Number	Configuration
 Blank Panel	M592001A	
 Data Interface Panel	M592002A	<ul style="list-style-type: none"> *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, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter 2 N(f) outside and SMA(f) inside
 Data Interface Panel	M592003A	<ul style="list-style-type: none"> *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, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter 2 DB37(p) outside and DB37(s) inside, 1000 pF Pi filter
 Data Interface Panel	M592004A	<ul style="list-style-type: none"> *Shielding Effectiveness:>70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz Air fitting, 6mm OD. DB9(p) outside and DB9(s) inside, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter 2 N(f) outside and SMA(f) inside
 Data Interface Panel	M592005A	<ul style="list-style-type: none"> *Shielding Effectiveness:>70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >55 dB from 3 to 6 GHz 2 DB9(p) outside and DB9(s) inside, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter DB37(p) outside and DB37(s) inside, 1000 pF Pi filter N(f) outside and SMA(f) inside
 Data Interface Panel	M592007A	<ul style="list-style-type: none"> *Shielding Effectiveness: >60 dB from 0.1 to 3 GHz DB9(p) outside and DB9(s) inside, 1000 pF Pi filter DB25(p) outside and DB25(s) inside, 1000 pF Pi filter 4 SMA(f) outside and SMA(f) inside RJ-45 outside and inside, 10 pF Pi filter, for LAN

*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 Tescom sales team or your local distributor.

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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
 DC Power Adaptor, Jack Type	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
 DC Power Adaptor, Banana Jack Type	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
 AC Power Adaptor		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

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