



Concentric Technology Solutions Inc

Testing Solutions for the Wireless Industry

TC-5930A/AR Shield Box



Features

- High RF Shielding
- Easy Opening/Closing of Door
- EMI filters on all Data lines
- Customizable Data connections
- 19" Rack Mount Set (TC-5930AR) : TC-5930A 2EA, 19" Rack Mounting Bracket



Specifications

Mechanical Specification

Dimension

| | |
|---------|-----------------------------|
| Inside | 170(W) x 313(D) x 240(H) mm |
| Outside | 217(W) x 398(D) x 282(H) mm |
| Door | 163(W) x 238(H) mm |

| | |
|--------|----------------|
| Weight | approx. 8.5 kg |
|--------|----------------|

*Packing

| | |
|--------|------------------------------|
| Size | 515 (W) x 360(D) x 397(H) mm |
| Weight | approx. 11 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 | > 60 dB |
| 3000 to 6000 MHz | > 55 dB |

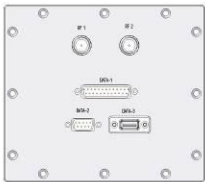
Ordering Information

| Order Number | Description |
|--------------|---|
| TC-5930A | Shield Box (including accessories below) |
| | Operating Manual |
| | Test Report |
| | SS-402, N(m) to N(m) cable, 1 m, 1 pc |
| TC-5930AR | Shield Box (TC-5930A 2 EA , 19" Rack Mount Bracket, include accessories below) |
| | Operating Manual |
| | Test Report |
| | SS-402, N(m) to N(m) cable, 1 m, 2 pcs |

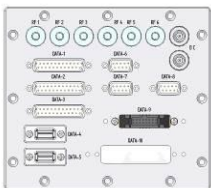
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE



I/O Interface Panel

| | Order Number | Configuration |
|---|--------------|---|
|  | M5930A01A | <ul style="list-style-type: none"> *Shielding Effectiveness:>70 dB from 0.1 to 2 GHz, >60 dB from 2 to 3 GHz, >50 dB from 3 to 6 GHz 2 N (f) outside and SMA (f) inside 1 DB25(p) outside, DB25(s) inside, 1000 pF Pi filter 1 DB9(p) outside, DB9(s) inside, 1000 pF Pi filter 1 USB A(p), 10 pF Pi filter |

RF and DATA Panel




| | | |
|---|-----------|--|
|  | M5930A02A | <ul style="list-style-type: none"> *Shielding Effectiveness:>60 dB from 0.1 to 2 GHz, >55 dB from 2 to 3 GHz, >50 dB from 3 to 6 GHz 6 SMA (f) outside and SMA (f) inside 2 DC, 3A 3 DB25(p) outside, DB25(s) inside, 100 pF Pi filter 3 DB9(p) outside, DB9(s) inside, 100 pF Pi filter 2 USB A(p), 10 pF Pi filter 2 DC Power Jack 1 SDIO 1 HDMI |
|---|-----------|--|

RF and AC Power Panel

*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.

| 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 |

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| | | | |
|---|--------------|--------------------------------|--|
|  | 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 |
| DB9, 100 pF Pi Filter | | | |
|  | 3409-0018A-3 | 480 Mbps | >60 dB from 0.1 to 6 GHz |
| USB A(p) 2.0, 10 pF Pi Filter | | | |
|  | 3409-0022A | 250 Mbps | >60 dB from 0.1 to 3 GHz |
| RJ-45, 10 pF Pi Filter | | | |
|  | 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, 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 |
| DC Power Adaptor, Banana Jack Type | | | |
|  | | 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 |
| AC Power Adaptor | | | |

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