

 DVTEST

dbSAFE^x



The dbSAFE^x Series advanced RF test enclosures are versatile for any wireless testing. Designed to operate between 300 MHz to 13 GHz, testing of wireless devices has never been more reliable and affordable.

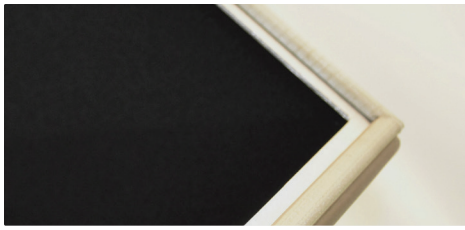
- Greater than 90dB isolation* through the use of high quality durable broadband RF absorbers.
- Standard double layer sealed door cover ensures maximum performance and durability.
- I/O panels can be easily interchanged in the field as your testing needs evolve.
- DoorCal™ feature allows for factory level alignment and adjustments.

Industry Requirements

The majority of devices today support multiple wireless technologies and protocols. Devices can have many integrated antennas, each co-existing and operating independently from each other.

Isolating the device under test from outside signal interference is necessary for making reliable, repeatable, and noise free RF measurements.





Broadband Absorber

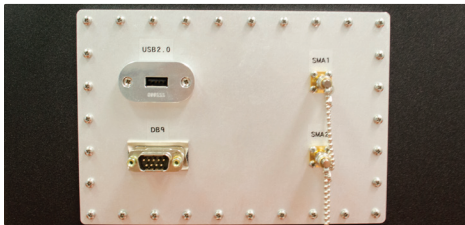
- Lossy Foam Absorber fabricated from lightweight conductive carbon loaded sheet stock provides broadband absorption at microwave frequencies.
- Absorbers are designed with a constant coating to exhibit high reflection loss and are applied to all exposed metal surfaces inside the dbSAFE_x.

Reliability



- DoorCal™ feature allows the user to perform factory level door alignment and adjustments maximizing isolation performance.
- Dual layer reinforced door cover and durable hinges prevent bending and warping of the top side geometry – the most susceptible area of an RF enclosure!
- All metal is conversion coated to maintain conductivity prior to powder coating to minimize oxidization.
- Gaskets resist compression set and are rated for 50,000 cycles.
- High quality nickel fabric over urethane foam core dual gasket door seal.

I/O Panel



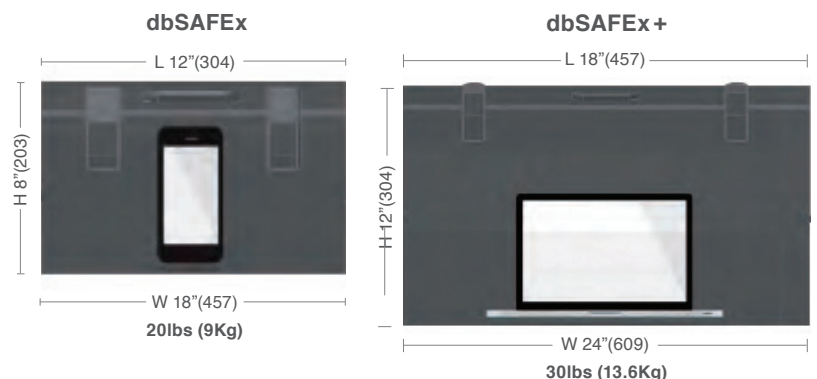
- Select from our preconfigured I/O panels.
- All I/O panels are user interchangeable in the field via torque wrench.
- Ethernet (POE) and USB2.0 are filtered to maintain signal integrity and minimize electromagnetic interference from entering and exiting the enclosure.
- DC high power option available using DB9 (5A max) or with terminal style (20A max) filtered connectors.

dbSAFE_x Specifications

*Shielding effectiveness	300 MHz - 2 GHz ≥ 90 dB 2 GHz - 3 GHz ≥ 90 dB 3 GHz - 4.5 GHz ≥ 80 dB 4.5 GHz - 6 GHz ≥ 80 dB 6 GHz - 13 GHz ≥ 70 dB
Latching	Dual paddle latch
RF gasket type	Braid over foam
Warranty	2 years parts and labour (with Product Registration)
I/O panel options	<p>PN:09925XP-1 2xSMA, 1xDB9</p> <p>PN:09925XP-2 2xSMA, 1xUSB2.0, 1xDB9</p> <p>PN:09925XP-3 2xSMA, 1xEthernet, 1xDB9</p> <p>PN:09925XP-4 4xSMA, 1xUSB2.0, 1xEthernet, 1xDC</p>
Accessories	<p>PN: 09925XT-OPTION 912 Torque wrench</p> <p>PN: 09925XV-OPTION 913 Passive Ventilation</p>

Note: Contact sales@dvtest.com if the I/O options don't match your test requirements

Size Comparison



Contact us

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