



A collection of possibilities left to the imagination

The dbSAFE X Series advanced RF test enclosures are versatile for any wireless testing. Designed to operate between 300 MHz to 18 GHz, testing of wireless devices has never been more reliable and affordable.

Each and every dbSAFE X enclosure provides greater than 90 dB isolation* through the use of high quality durable broadband RF absorbers. In addition, the standard double layer sealed door cover ensures maximum performance and durability even after 50,000 operations. Factory level alignment and adjustments are made possible by the DoorCal[™] feature.

The I/O panels feature the industry's largest surface area compatible with all technologies including USB 3.1. can be easily interchanged in the field as your testing needs evolve.

The X Series is available in top, front, or 19" rackmount configurations. And if there isn't a size that fits your requirement, DVTEST can fully customize a solution to fit your needs!



Broadband Absorber & Gasket

Fabricated from light weight conductive carbon loaded sheet stock provides broad band absorption at microwave frequencies. High quality nickel fabric over urethane foam gaskets with mitered edge installation, resist compression set and are rated for a minimum 50,000 cycles.

Choice of preconfigured I/O Panels

Select from our large selection preconfigured I/O panels. All interfaces are filtered to maintain signal integrity and minimize interference from entering and exiting the test enclosure. All I/O panels are user interchangeable in the field via an optional torque screwdriver.



Specifications for dbSAFE X

Isolation		
Shielding Effectiveness* (dB)	300 MHz - 3 GHz	≥ 90 dB
	3 GHz - 6 GHz	≥ 85 dB
	6 GHz - 18 GHz	≥ 80 dB

*Isolation measurements taken adjacent to each seam.

Construction	
Chassis Type	Welded Aluminum Structure
Surface Treatment	Tri-Shield coated to MIL-DTL-5541F
Door Style	Top or Front Load
RF Gasket	Braid Over Foam
Absorber	Broadband Lossy Foam Absorber

Accessories	
Test Probe Antenna	dbDIRECT Cross Polarized Vivaldi
Calibration Antenna	dbDIRECT Series Standard Gain Horn
Antenna Couplers	dbCoupler Series (Standard, Mini)
I/O Panel Exchange Tool	PN: 09925X-OPTION 909 Torque Screwdriver

I/O Panel Options	
RF Connectors	SMA, N Type, BNC, TNC
I/O Data Modules	USB 2.0/3.0/3.1*, 1 & 10 GigE+PoE, HDMI 1.4/2.0, Audio 3.5 mm *USB single, dual, quad and high density port versions available
I/O Connectors	D-Sub DB-9, DB-15, DB-25, DB-37 50V/5A Per Pin
AC Power	TYPE A - 120V AC Module (IEC-320 to NEMA 5R) TYPE F - 230V AC Module (IEC-320 to Schuko) TYPE G - 230V AC Module (IEC-320 to BS 1363)
DC Power	DC - 100V/20A Module (+/- terminals)

Dimensions W x D x H inches (mm)	
dbSAFE X Small Top Load - 099250	
Internal: 18" (457) x 12" (311) x 9" (228)	
External: 18.75" (476.25) x 12.75" (323.85) x 10" (254)	
dbSAFE X Medium Top Load - 099255	
Internal: 22.75" (577.85) x 16.75" (425.45) x 11.25" (285.75)	
External: 24" (610) x 18" (457) x 13.25" (336.55)	
dbSAFE X Large Top Load - 099260	
Internal: 24" (610) x 18" (457) x 12" (305)	
External: 24.75" (628.65) x 18.75" (476.25) x 14" (381)	
dbSAFE X Small Front Load - 099270	
Internal: 18" (457) x 12" (305) x 8" (203)	
External: 18.75" (476.23) x 12.75" (323.85) x 10" (254)	
dbSAFE X Medium Front Load - 099280	
Internal: 23" (584) x 16" (406) x 11.25" (285.75)	
External: 24" (610) x 18" (475) x 13.25" (336.55)	
dbSAFE X Large Front Load - 099285	
Internal: 24" (610) x 18" (475) x 12" (305)	
External: 24.75" (628.65) x 18.75" (476.25) x 14" (356)	
dbSAFE X RM-9 - 099127	
Internal: 15.75" (400) x 19.5" (495) x 15" (381)	
External: 17" (432) x 21.25" (539.75) x 15.75" (400)	
Warranty	2 Year, parts and labor

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Please contact factory for additional options, and unique design application ideas
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