

dbCHECK

 **DVTEST**
Best Isolation. Better Results.



Versatile RF Test Enclosure

The dbCHECK is an ideal solution for repeatable wireless device testing. Boasting a dual RF gasket design, high quality broadband RF absorber, and a filtered I/O panel, the dbCHECK achieves 85 dB isolation over 700 – 6000 MHz. Achieving excellent isolation translates to maximum performance, as well as more consistent, superior test results.

The dbCHECK is available in two sizes, and is suitable for testing phones, tablets, laptops, and many other wireless devices. dbCHECK I/O panels are customizable supporting a wide range of RF, power and data modules. High quality filtered connectors and modules ensure that isolation is not compromised by connectivity. The inclusion of universal antenna coupler mounts, and the durable, field-serviceable, mechanical design makes the dbCHECK ideal for use in high-volume service centers.



Designed for Increased Throughput

With the operator in mind, the front-loading clamshell mechanism has been designed to be intuitive and easy to use. The dbCHECK can be closed, latched, or opened in one smooth motion requiring minimal force. This design allows operators to maintain a greater focus on test execution.



Premium Build, Customizable I/O Panel

- Lossy foam absorber fabricated from lightweight conductive carbon loaded sheet stock provides broadband absorption up to microwave frequencies. Absorbers are designed with a constant coating to exhibit high reflection loss and are applied to all exposed metal surfaces inside the dbCHECK.
- All DVTEST test enclosures offer customizable I/O panels to accommodate any test setup. User-defined combinations of filtered and shielded I/O panel modules, power and signal connectors, as well as RF interface modules ensure that the required connectivity is obtained without compromising the integrity of the test enclosure. Our design engineers are always ready to accommodate a wide array of custom requests. Our design engineers are always ready to accommodate a wide array of custom requests.

Specifications for dbCHECK

Isolation

Shielding Effectiveness (dB) (Isolation measurements taken adjacent to each seam)	700 to 1000 MHz \geq 90 dB
	1700 to 2000 MHz \geq 90 dB
	2000 to 2500 MHz \geq 85 dB
	5000 to 6000 MHz \geq 80 dB

Construction

Wall Type	Single Wall Welded Aluminum Structure
Door Style	Clamshell Opening Dual Lever Latch
RF Gasket	Dual Layer Braid Over Foam
Absorber	Broadband Lossy Foam Absorber

Enclosure Options

Waveguide Optical Data Feedthrough	6 Position Modules Available, Panel Mount Single or Multi-Mode Fiber Connectors
USB to Fiber Interface	USB 2.0/3.0/3.1
Ethernet to Fiber Interface	Up to 10 Gbps

Accessories

4921/31/32 Compatibility Kit	Provides dbCOUPLER, dbCOUPLER mini and Mounting Compatibility
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All Dimensions WxDxH Inch (mm)

dbCHECK	Int: 11.25" (286) x 14" (356) x 8" (203) Ext: 11.9" (302) x 14.68" (373) x 8.68" (220)
dbCHECK+	Int: 20" (508) x 14" (356) x 8" (203) Ext: 20.68" (525) x 14.68" (373) x 8.68" (220)

Weight lbs (kg)

dbCHECK	12 (5)
dbCHECK+	15 (7)

I/O Panel Options

RF Connectors	SMA, N, BNC, TNC
I/O Connectors and Data Modules	USB 2.0/3.0/3.1, Ethernet 1 Gbps with POE Audio 3.5 mm (2, 4 or 20 position) HDMI 1.4 Data Module D-Sub: DB-9, DB-15, DB-25, DB-37 (50 position and HD D-sub available on request) 50 V/5 A Per Pin
AC Power	120/250 V - 15 A, 50/60 Hz AC Module
DC Power	0-100 VDC - 20 A, Two Position DC Module

Ordering Information

Models	099132 dbCHECK 099152 dbCHECK+
Warranty	2 Years, Parts and Labor (with product registration)

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

