



RF Shielding Anytime, Anywhere.

The dbTENT is an easy-to-assemble, collapsible high-performance RF test enclosure.

Whether you need to make measurements in the field or in the lab, the dbTENT provides superior 90 dB of isolation over a wide frequency range thanks to its patented double layer conductive fabric design.

Its versatile lightweight, compact design that can be assembled and disassembled in a matter of minutes and transported to a wide variety of locations in its compact carrying case. It is ideal for testing in remote locations, off site facilities, and other areas where a permanent enclosure may not be possible. Design allows for convenient setup and breakdown making it easy to transport and store. The dbTENT will get you ready for testing instantly in a wide variety of environments.



Above: dbTENT disassembled

Featuring an interchangeable customizable I/O panel, optional ventilation, and isolation equivalent to a conventional welded enclosure. The dbTENT will meet all your needs for non-permanent RF/EMI isolated testing, making it an ideal tool for RF interference troubleshooting or EMI pre-compliance testing.



Customizable I/O Panel

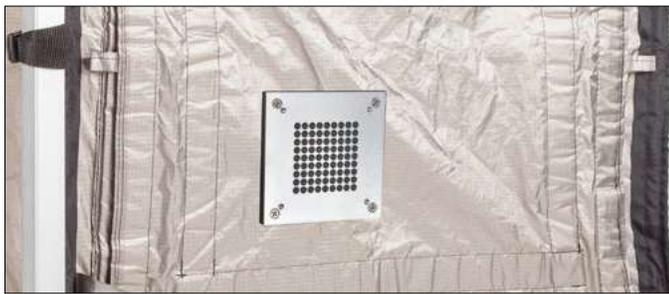
The dbTENT I/O panel is customizable with a broad range of interfaces.

Choose from standard RF, power, signaling as well as a variety of high speed data modules such as 1 Gbps Ethernet, USB 3.0/3.1 and HDMI 1.4.



Conductive Fabric Shielding

The dbTENT is constructed from 5 mil nylon rip stop fabric with a conductive coating of silver/copper/nickel. This material is extremely flexible and highly resistive against galvanic corrosion. The double layer construction provides superior isolation over a wide range of frequencies.



Ventilation

dbTENT ventilation is managed through our Waveguide cooling technology (pat pend). Waveguide air vents maintain isolation levels more effectively than honeycomb vents or EMI screens. Options include passive and active modules.

Specifications for dbTENT

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

*Isolation measurements taken adjacent to each seam.

Construction	
Frame Type	Heavy-duty aluminum frame with an adjustable strap attachment
Wall Type	Double wall dual-layer conductive fabric, RoHS compliant, durable, lightweight silver/copper/nickel fabric
Door Style	Front opening with double magnetic seal

Enclosure Options	
Base	Detachable floor
Cooling	Passive Waveguide Vent
	Active Waveguide Ventilation Module with AC Fan (30 CFM)
	Optional high output airflow to 500 CFM
Waveguide Optical Data Feedthrough	6 Position Modules Available
USB to Fiber Interface	USB 2.0/3.0/3.1
Ethernet to Fiber Interface	Up to 10 Gbps

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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 - 250V AC Module (IEC-320 to Schuko) TYPE G - 230V AC Module (IEC-320 to BS 1363)
DC Power	DC - 100V/20A Module (+, - terminals)

Accessories	
OTA Performance Verification	Noise Source and Power Sensor
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

Ordering Information - dimensions W x D x H inches (mm)	
dbTENT 099180 Small portable enclosure External: 24" (610) x 24" (610) x 24" (610)	
dbTENT 099181 Medium portable enclosure External: 36" (914) x 36" (914) x 36" (914)	
dbTENT 099182 Large portable enclosure External: 48" (1219) x 48" (1219) x 48" (1219)	
dbTENT 099183 X Large portable enclosure External: 84" (2133) x 84" (2133) x 77" (1956)	
dbTENT DBTXXXX Custom Sized Enclosure	
Warranty	1 Year, parts and labor

Please contact factory for additional options, and unique design application ideas
Specifications are subject to change without notice. Rev 2.0