dbSAFE CLASSIC





The dbSAFE CLASSIC is a modern take on the original DVTEST RF enclosure.

The dbSAFE CLASSIC is designed to be a utility enclosure for a broad range of RF applications. A wide operable frequency range between 300 MHz and 18 GHz with greater than 90 dB of isolation makes it an excellent choice for NB-IoT, WiFi, Bluetooth, GPS and Cellular technologies. Featuring the same durable aircraft grade aluminum construction and precision machined I/O panel of the original dbSAFE, the dbSAFE CLASSIC incorporates modern gasketing, absorber, and interchangeable I/O panels. Added to that is the widest selection of I/O connectors and interface modules in the industry. The dbSAFE CLASSIC will NOT disappoint.

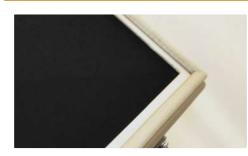
It truly is an instant classic!





Broadband Absorber

- Broadband Lossy Foam Absorber fabricated from light weight 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 CLASSIC.



Reliability

- · Aircraft grade aluminum resists bending and warping.
- All surfaces are treated by DVTEST's proprietary Tri-Shield[®] passivation process to eliminate oxidation; ensuring no degradation in isolation performance over the life of the enclosure.
- High quality nickel fabric over urethane foam gaskets with mitered edge installation, resist compression set and are rated for a minimum 50,000 cycles.



I/O Panel

- All I/O panels are interchangeable in the field via an optional torque screwdriver.
- Data interface modules include USB 2.0/3.0/3.1, 1 & 10GigE+PoE, HDMI 1.4.
- · All interfaces are filtered to maintain the highest signal integrity.
- Multiple power input options including 20A DC and a variety of AC configurations.
- · Select from standard configurations or custom design your own I/O panel.

Specifications for dbSAFE CLASSIC

Isolation

Construction	6 GHz - 18 GHz	≥ 70 dB
adjacent to each seam)	4.5 GHz - 6 GHz	
(Isolation measurements taken	3 GHz - 4.5 GHZ	≥ 85 dB
Shielding Effectiveness (dB)	300 MHz - 3 GHz	≥ 90 dB

Concuración		
	Chassis Type	Welded Aluminium Structure
	Surface Treatment	Tri-Shield coated to MIL-DTL-5541F
	Door Style	Top Load Dual Paddle Latch
RF Gasket	RF Gasket	Braid Over Foam
	Absorber	Broadband Lossy Foam Absorber

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	



CLASSIC I

CLASSIC II

CLASSIC III

Head Office: 2-1795 Ironstone Manor, Pickering, ON L1W 3W9 US Sales Office: 15020 Beltway Dr. Addison, TX 75001 Phone: 1 (647) 726-0058 Email: info@dvtest.com

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 , 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/15A Module
	(+ terminals)

Ordering Information

PN: 099007 CLASSIC I
12" (304.8) x 8.25" (209.55) x 6" (152.4)
PN: 099008 CLASSIC II
17" (431.8) x 11.25" (285.75) x 8" (203.2)
PN: 099009 CLASSIC III
19" (482.6) x 17" (431.8) x 8" (203.2)
1 Year, Parts and Labor

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