vbSeries® Portable Instrument
Drop Test

Test Parameters

Test performed according to MIL-STD-810F-516.5-IV, 4.5.5 Procedure IV - Transit Drop & Table 516.5-VI

Drop Height: 1.22m (nominal 1.22 meters/48 inches)
Instrument S/N: 40388
Tester Name: AJS
Date: 27 November 2007

Instrument Configuration

- Memory Module and Processing Unit secured with nylon standoffs
- LCD protected with Inseal gasket
- Keypad cables secured with Inseal foam pads
- Battery cover is glass-filled nylon
- Analog: Test signal = 100Hz 1Vrms 12Vdc
- Before testing: **CH1 = CH2 = 141.9 adB US**

Results

Strike Orientation	Powers Up After?	Comments/Observations
Face: Front	√	
Face: Back	√	
Face: Left	√	
Face: Right	√	
Face: Top	√	
Face: Bottom	√	
Edge: Front/Top	√	
Edge: Front/Right	√	
Edge: Front/Left	√	
Edge: Front/Bottom	√	
Edge: Back/Top	√	
Edge: Back/Right	√	
Edge: Back/Left	√	
Edge: Back/Bottom	√	

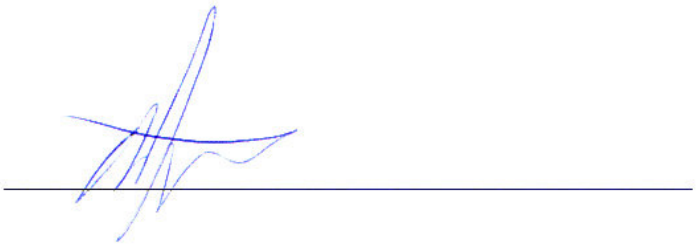
Edge: Right/Top	√	
Edge: Right/Bottom	√	
Edge: Left/Top	√	
Edge: Left/Bottom	√	
Corner: Front/Top/Right	√	
Corner: Front/Btm/Right	√	
Corner: Front/Bottom/Left	√	
Corner: Front/Top/Left	√	
Corner: Back/Top/Right	√	
Corner: Back/Btm/Right	√	
Corner: Back/Bottom/Left	√	
Corner: Back/Top/Left	√	
Analog Cal-Check OK?	√	

Inspection After Test Completion

- Memory Module, Processing Unit, Speaker, Keypad Cables all remained secure
- LCD intact and operational. Battery Cover intact. CH2 BNC slightly dented but connector cable will fit and still operational
- Analog response after testing: **CH1 = CH2 = 141.9 adB US**

Conclusion

PASS

Signed:  November 27th 2007