



InstroTek, Inc
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 Raleigh, NC 27617
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case wt =35.5 lbs
 Accessories wt = 27.5 lbs
 gauge wt = 31.5 lbs

TESTING RESULTS FOR TYPE A PACKAGE:

Gauge Shipping Case- ATA water resistant p/n 1500027

(case design conforms to ATA spec 300 type 1 construction requirements)

Gauge type	Test Date	Package weight	Compression	Penetration	Free Drop	Water Spray	Vibration
3500	3/15/2005	94.5	passed	passed	passed	passed	passed

Tests and Results

Compression - Case placed on non-yielding surface and subjected to a compressive load of 3 lbs per square inch (20 kilopascals) for a period of 24 hours.

No damage occurred.

Penetration - Case placed on a non-yielding surface and subjected to a freely falling steel rod (1.25"dia. x 14lbs) with hemispherical end from a height of 40 inches. Rod was dropped in a vertical orientation onto a point on case which would cause maximum damage to the case.

Minimal cosmetic damage occurred

Free Drop - Each case was dropped from a height of 48 inches onto a non-yielding surface (concrete) in a position which was expected to cause the most damage to the case. The cases (8) were dropped on a different corner.

Minimal cosmetic damage occurred

Water Spray - The case was subjected to a water spray equivalent to 2 inches per hour for one hour.

No damage occurred

Vibration - The case was vibrated at 15 cycles per second at a displacement of 1/2" for 24 hours.

No damage occurred