

Third-Party Verification Brief

Durability & ingress protection **independently tested and verified by SGS** — the world's leading testing, inspection and certification company. Full reports on file for customer audit.

Ruggedness is only as credible as the evidence behind it. In the mobile-computer market, IP ratings and drop heights are usually **self-declared** by the vendor on its own test bench. Every JMDT80 claim is instead backed by **SGS third-party laboratory reports** issued against international test standards — the same evidence standard demanded in government and enterprise tenders.

REPORT 01 — FREE DROP

Report No. SUER251200165971 · Issued 22 Dec 2025

Transit Drop — MIL-STD-810H

Method 516.8 · Procedure IV

▶ 26 consecutive drops from 1.3 m onto a rigid steel plate

▶ Device **powered on and operational** throughout the test

▶ Drops distributed across faces and edges per the military standard procedure

POST-DROP FUNCTIONAL VERIFICATION

Touchscreen, keys, front/rear cameras, speaker/mic, charging/USB, cellular, Wi-Fi, Bluetooth and GNSS — **all confirmed working**; no reboot, no cracks, no internal damage.

RESULT — PASS

REPORT 02 — INGRESS PROTECTION

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IP68 — IEC 60529 (IP Code)

IP6X dust-tight · IPX8 continuous immersion

▶ IP6X dust: sealed chamber, 2 kg/m³ talcum powder suspended for 2 hours

▶ IPX8 water: submerged at 1.5 m depth for 30 minutes

INSPECTION AFTER EACH EXPOSURE

Unit disassembled and inspected: **zero dust ingress, zero water ingress**. All functions verified normal — rated dust-tight and protected against continuous immersion.

RESULT — PASS

TYPICAL INDUSTRY PRACTICE

Many vendors claim IP ratings and drop heights as **self-declared** figures from internal testing. When a customer's audit asks for proof, there is often no independent report to show.

JMDT80 — SGS VERIFIED

IP68 (IEC 60529) and the 1.3 m drop (MIL-STD-810H) are verified by **SGS, an independent, ISO/IEC 17025-accredited laboratory**. Evidence is shareable by report number.

✓ Third-party evidence, ready for tender audit

Tested by SGS. Trusted by your operation.

Request the full SGS reports

Contact us and the original SGS certificates, test photos and full reports for the JMDT80 will be shared with your engineering or procurement team.

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