

Passport quality testing calibration units & impact test



CU310

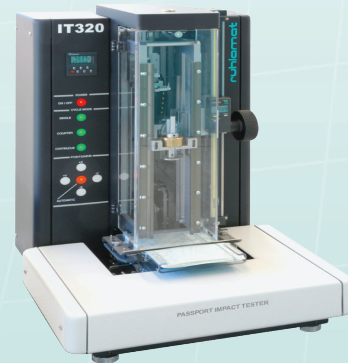
The Calibration Unit CU310 determines the passport characteristics and values which are necessary to adjust the passport Bending Tester BT310-3. Therefore, as recommended by the ICAO, during the calibration a force of 40 N is applied for 1 minute on the sample. The resulting amount of the deflection (bending) can be read off afterwards. Further on this the deflection will be adjusted to the BT310-3.

CU300

The Calibration Unit CU300 determines the passport characteristics and values which are necessary to adjust the passport Torsion Tester TT300-3. Therefore, as recommended by the ICAO, during the calibration a torque of 0,3 N·m is applied for 1 minute on the sample. The resulting amount of the torsion angle can be read off afterwards. Further on this the torsion angle will be adjusted to the TT300-3.

All test equipment corresponds to the following:

- ambient temperature: 22°C ± 10°C
- degree of relative humidity: max. 70%
- condensation of water: not allowed
- test specification: corresponding to "Durability of Machine Readable Passports"



IT320

The Impact Tester IT320 simulates stamping at a border control point and is used for ICAO passports and ID-3 inlays. The purpose of this test is to subject the sample document to simulated border inspection stamping. In this way the passport, especially in the area of the antenna and associated connections if present, is heavily used because of the imposed impact.



impact

technical specifications:

- **retainer:** 1 space, for passports with thickness up to 8 mm max. 131 x 95 mm
- **stamping positions:** 5 x 9 = 45 positions (as recommended by the ICAO)
- **height of fall (H):** H = 0,05 – 0,25 m, adjustable
- **falling weight (M):** M = 80 – 400 g, adjustable
- **operating methods:** single cycle (1 test cycle)
counter cycle (n test cycles)
continuous Cycle (∞ test cycles)
- **further options:** automatic x-y-movement
online-ATS-Test
stamp unit exchangeable

facilities:

- electrical supply: 110/ 230 V, 50 / 60 Hz · power: 30 W

machine dimensions:

- length: 480 mm
- width: 420 mm
- height: 570 mm
- weight: 40 kg