



Weight calibration



Wet tensile attachment

## No.2000-C

## Horizontal tensile tester (desktop type)

This tester holds both sides of the test specimen and pulls it at a constant speed, to determine the maximum load up to failure and the elongation at failure, and the work required for failure. When a specimen is inserted into this constant-rate-elongation machine, it is secured by two pneumatic clamps, then the test starts automatically. The load cell connected to the fixed side clamp detects load, to calculate, display and outputs on the printer the tensile strength, elongation, breaking length, tensile energy and tensile stiffness.

**Tensile loading capacity:** 500N (50kgf) (optional: 200N, 1000N)

**Span:** 100 to 180mm, regulating increment of 1mm, standard: 180mm

**Elongation:** max. 20mm

**Tension speed:** 5 to 50mm/min

**Specimen width:** 15 / 25mm (optional: 50mm)

**Specimen clamp:** pneumatic type; The inserted specimen is clamped automatically.

Special clamp for wet paper (optional)

**Measurement items:**

**1. Setting items:** Specimen No., Basis weight, Specimen orientation, Specimen width,

Span, Tensioning speed

**2. Measuring items:** Tensile strength (N, kN/m), Elongation rate (%)

**3. Calculation items:** Average, Maximum, Minimum, Standard deviation, Breaking length, Elongation rate, Tensile energy absorption and tensile energy absorption index, Tensile stiffness, Young's modulus

**4. Measurement of tensile elongation:**

After the measurement result is outputted, the elongation is calculated by inputting the load

**Referential standards:** JIS P-8113-98, T-494om-01, ISO 1924/2

**Power source:** 100/110VAC 50/60Hz 2A

**Air source:** 0.5MPa

**Outer dimensions:** 580 × 430 × 210mm

Instrument weight: 40kg

## No.2000-CW

## Wet tensile strength tester

A specially designed wetting water supply device is mounted on the standard horizontal tensile tester. Dropping water from a dispenser, you can easily measure the wet tensile strength with this machine. Immediately after water in the dispenser is dropped on the specimen, the tensile test is performed. The amount of wetting water and the timing of test start after water dropping can be set as desired.

**Outer dimensions:** 580 × 430 × 400mm

**Instrument weight:** 41kg