

No. 2015-C

## MIT folding endurance tester (improved type)

This machine counts the number of folds, which a specimen will withstand before break. The upper end of specimen is secured with the loading spring clamp and the other end with the folding clamp. The loading clamp applies a constant tension on the specimen. In this state, the folding clamp reciprocates to repeatedly fold the specimen till it breaks. The number of reciprocating actions counted is shown.

(Features)

1. The reciprocating part is provided for silent operation and reduced heating up.
2. The specimen is set on the upper chuck from the chuck front. This setting direction is the same for the lower chuck, ensuring accurate vertical setting.
3. The lower chuck returns to start position automatically when the specimen breaks

**Cooling fan (optional)**

In a test with a specimen whose number of folds to failure is large, repetitive folding actions will produce heat at the folding portion, causing rise of temperature of the specimen, and diminishing water content, thereby reducing the folding endurance. This machine has an exhaust fan in front of the lower chuck, to avoid temperature rise around the chuck.

**Specimen tension:** 5 to 15N (0.5 to 1.5kgf), standard 9.8N (1.0kgf)

**Rotation speed:** 175 + 10 times/min

**Folding angle:** 135 + 2° in each direction

**Chucks:** 0.25mm (standard)

0.5, 0.75, 1.0, 1.25mm (Additional chuck optional)

**Fold number indicator:** digital counter with six digits, with automatic stop mechanism working on specimen failure

**Folding endurance indicator:** it displays a logarithm

**Referential standards:** JIS P-8115-2001, TAPPI T511om-02, ISO 5626

**Power source:** 100/110VAC 50/60Hz 3A

**Outer dimensions:** 300 x 280 x 480mm

**Instrument weight:** 14kg (16kg with cooling fan)



With cooling fan