

FT-1 Fatigue Tester



Electric cabinet



Force data collection software

The “FT-1 Fatigue Tester” is used to test and analyze the durability and quality of all packaging in compression or traction direction. It’s widely used in cosmetic, pharmaceutical and other industries.

It’s an automated tester and testing cycle is carried out by program. Testing process is as below:

- Select the testing direction (compression or traction direction)
- Place the sample under the force gauge
- Adjust the force gauge position by the top hand wheel
- Input the testing number of time
- Press the “START” button to start the test
- Observe the sample and analyze the force value after the test

Advantages:

- Full stainless steel & safety door design
- Ruler for sample adjusting
- Digital display of real-time or peak or average force value
- 4.3” LCD touching screen which offers a user-friendly interface for operation
- Test mode: compression or traction
- Choice of cylinder movement: both “manual” and “automatic” are available
- Equipped with data collection software for force value management

Technical specifications:

- Sample range (Bigger by order):
 - For compression test: 200 mm in height
 - For traction test: 120 mm in height
- Digital force gauge display resolution: 0.1 N
- Force units: N / kgf / lbf
- Accuracy of force gauge: $\pm 0.5\%$ F.S.
- Force gauge measuring range: 0-200 N (Higher by order)
- Power : AC 220V
- Pressure input: 6-8 bar
- Display language: English
- Dimensions: 410x250x590 mm
- Net weight: 25 kg

Optional part:

- Traction test assembly