

FIT-01 Film Impact Tester

FIT-01 Film Impact Tester is applicable in the precise impact resistance test of plastic films, sheets, laminated films and foils, etc.

LEADING
INSTRUMENTS

CHARACTERISTICS

Touch screen operation, PLC control system

Electronic measurement;

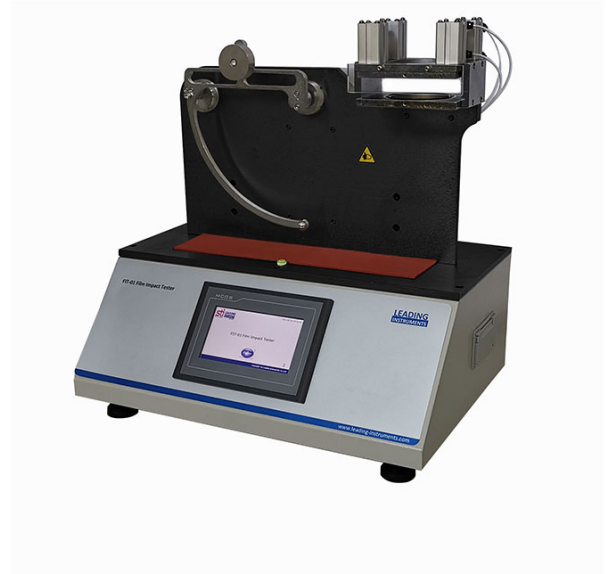
Pneumatic specimen clamping;

Pneumatic pendulum releasing;

Horizontal adjustment assistance system; Statistical testing data;

Adjustable testing range; Mini-printer;

RS232 interface;



PRINCIPLE

Evaluating the impact resistance of films by observing the energy spent when the semi-ball impacts the sample at a certain speed.

TECHNICAL INDEXES

Impact Energy: 1J, 2J, 3J (Routine)

Resolution: 0.001J

Pendulum Tip Size: $\Phi 25.4\text{mm}$, $\Phi 19\text{mm}$, $\Phi 12.7\text{mm}$ (Non-standard, can be customized)

Clamp Diameter: $\Phi 89\text{mm}$, $\Phi 60\text{mm}$

Specimen Size: 100 mm x 100 mm, or $\Phi 100\text{mm}$

Gas Source Pressure: 0.6MPa (Users provide gas source themselves)

Inlet Size: $\Phi 6\text{mm}$ polyurethane pipe

Dimensions: 600mm(L)×390mm(B)×600mm(H)

Power: AC 220V 50Hz

Net weight: 64kg

STANDARDS

ASTM D3420, NF T54-116

CONFIGURATION

Standard: mainframe, basic pendulum 1J, 2J weight, 3J weight, standard pendulum tip ($\Phi 25.4\text{mm}$), standard pendulum tip ($\Phi 19\text{mm}$), one pair of standard plywood $\Phi 89\text{mm}$ (with O-ring), one pair of standard plywood $\Phi 60\text{mm}$ (with O-ring)

Optional: software, communication cable, non-standard pendulum tip, O-ring Note: the gas source inlet of this tester is $\Phi 6\text{mm}$ polyurethane pipe; users provide air source themselves.