



FALLING WEIGHT IMPACT TESTER RT-FWIT-300

STANDARDS

ISO3127, BS EN1411, BS EN744

Falling Weight Impact Tester RT-FWIT-300 is used to determine the resistance to external blows of thermoplastics pipes of circular cross-section. Test pieces are subject to blow from a falling striker, of specified mass and shape, dropped from a known height onto specified position around the circumference of the test piece. The true impact rate of the batch, or production run from an extruder, is estimated.



The maximum value acceptable for the TIR is taken to be 10%. There are two test methods--round-the-clock method and staircase method.



FEATURES

- ❖ The function of anti-rebound device has the catching rate of 100%
- ❖ The AC servo system will guarantee the high locating precision and fast rising speed.
- ❖ The impact height may be set between 50~2000mm, also the impact height may be calibrated automatically.
- ❖ Automatic personal safeguards are provided in this instrument including specimen door, anti-shock and striker window safeguard etc.

TECHNICAL SPECIFICATIONS

- ❖ Impact height: 0~2000mm, with the display error within ± 2 mm
- ❖ Overall dimensions: L1100mm×W600mm×H3800 mm
- ❖ Energy losses: <0.25%
- ❖ Masses of strikers: 0.25~16kg, permissible tolerance shall be $\pm 0.5\%$
- ❖ Nose and masses of striker: depending on customer's standards
- ❖ Rising speed: 12m/min
- ❖ Anti-rebound catching rate: 100%
- ❖ Test specimen: $\Phi 10$ mm~ $\Phi 630$ mm