

**Functions:**

This series is specially used for Charpy impact test on plastic pipes (PVC,PPR, etc.).

Standards:

ISO 9854.1, GB/T 18743

Features:

1. The pendulum is designed by 3D software, ensuring the accuracy of striking center, the accuracy of pendulum moment, and the accuracy of the test data
2. Imported high precision ball bearing efficiently reduces energy losses

3. Simple to operate: easy to change anvil and pendulum
4. Optional different kinds of pendulum and anvil to meet wide applications
5. Optional safety shield
6. Optional digital type and computer type are available
 - LCD display is easy to read absorbing energy
 - Control system has the function of power-off protection
 - Test date can be printed out
 - High resolution data acquisition
 - Automatic energy lose amendment according to standards requirements
 - Controls and electric components are imported, guaranteeing machine stability

Parameters

1. Model: PIT501 Type AP-1 (dial display), PIT501 Type AP-2 (LCD display), PIT501 Type AP-3 (Computer display)
2. Max energy: 50J (optional 15J)
3. Charpy test parameter
 - Velocity of striking: 3.8m/s
 - Distance from the axis of support to the center of percussion: 395mm
 - Angle of striking tip: 30°
 - Radius of striking edge: 2mm
 - Radius of curvature of supports for bar test specimen: 1mm
 - Angle of taper of supports for bar test specimen: 10°
 - Angle of slope of supports for bar test specimen: 5°
 - Angle of taper of supports for convex test specimen: 0°
 - Angle of slope of supports for convex test specimen: 60°
 - Radius of curvature of supports for convex test specimen: 2mm
 - Machine dimension (length x width x height, mm): 480 x 340 x 805
 - Weight: 100kg
 - Power requirements: single phase, VAC220, 50Hz, 0.5kW
 - Specimen types and dimensions

Length x width x thickness (mm)	Type	Length	Width	thickness	Support span
	1	100±2	Whole pipe		70±0.5
	2	50±1	6±0.2	e	40±0.5
	3	120±2	15±0.5	e	70±0.5
Note: e is the machining thickness of pipe					

Standard accessories

Model	PIT501	PIT501	PIT501
Type	AP-1	AP-2	AP-3
Main machine	1 set	1 set	1 set
Analog display	1 set	1 set	1 set
Digital display	-	1 set	1 set
Software	-	-	1 set
Stylus printer	-	1 set	1 set
Charpy pendulum (50J)	1 set	1 set	1 set
Specimen support for standard bar test piece	1 set	1 set	1 set
Specimen support for convex test piece	1 set	1 set	1 set
Span block (span: 40mm, 70mm)	1 set	1 set	1 set
Notch centering device	1 set	1 set	1 set

Optional accessories

Name	Quantity
Charpy pendulum: 15J	1 set
Protection shield	1 set