



IMPACT TESTER

AN ISO 9001 : 2015 CERTIFIED CO. & CE MARK PRODUCT

Model No : SRL / IT-23



Application :

These equipments are used for climatic & durability tests of electrical & electronic components, corrosion test on mechanical assemblies, tests on packages, paints & varnishes, cement plants, apparatus & materials for simulated tropical & extreme tropical conditions & for botanical & zoological investigations, testing of chemicals, drugs, pharmaceutical, cosmetics, medicine, capsules etc.

Release Angle of Pendulum :

150°

Standards :

ASTM D 256 & ASTM D 6110, ISO 180 & ISO 179.

Vice :

Hard chrome plated vice for Izod & Charpy test.

Hammers :

Hammers for Izod Impact Tests –2.75 J, 5.5 J, 11.0 J (According to ASTM D 256, ISO 180) Hammers for Charpy Impact Tests – 1.0 J, 2.7 J, 5.4 J (ASTM D 6110).

Striking velocity range :

2.5 – 3.8 m/s.

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Notch cutting device :

Digital Notch depth measuring device (0 to 12 mm)
Suitable for notching plastics specimens for Izod & Charpy impact tests as per ASTM & ISO specification. The machine shall have gradual feed control mechanism with micrometer & standard notching tool. Motor driven, attached with constant profile tungsten carbide knife, "V" notch (45°), Type A, Type B and Type C Comply to ASTM D 256. Knife Speed Regulator. Digital tool with zeroing having accuracy of 0.01mm division for measurement of notch depth.

Special Features :

Microprocessor Controlled equipment with possibility to modify and create test parameters according to standard and store templates, Possibility to save data and export selected data with customized format, Real time display of impact energy, resilience, pendulum angle, impact speed and statistical analysis.

Standard Accessories :

Manual Izod vice for ISO 180, ASTM D 256 and ASTM D 4812 Jig for aligning of un notched specimen according to ASTM D 256, ISO 180. Standard detachable weights corresponding to 2J, 4J, 7J, 15J, and 25J should be provided. Standard fixtures for fitting Izod / Charpy test specimen. Any other standard accessories for smooth conduct of test should be provided. Device for Inspection & verification of Notch as per ASTM D 256 including optical device with minimum magnification of 60X, Filar Glass Scale and camera attachment. Assembled PC with printer.

Mounting accessories :

Suitable for notching plastics specimens for Izod & Charpy impact tests. As per ASTM D 256, ASTM D 6110 and ISO 180, ISO 179

Least Count of Indication :

0.01 Joules.

Power :

230V, 50Hz, Single phase

Pendulum Impact Energy Range :

0-25 Joules.

Certification :

ISO 9001:2015 Certified Co. D&B registered & CE mark product.

ISO 14001:2015 & WHO-GMP

Calibration & validation certificates traceable to NABL / ERTL accredited labs.

Documentation :

To comply with the documentation requirements, we provide IQ, OQ & PQ protocols to be executed before taking the chamber in to for regular use, and support the supply with the following documents with the detail operational and service manual.

Standard Operating Procedure (SOP)
Operational Manual for Controller
IQ, PQ, OQ protocols certificate.
Calibration certificate of all controlling modules with traceability.
Certificate of MOC.
Test Report of chamber prior to supply with mapping certificate.
wiring diagram for ease of service maintenance.



Due to continuous development & improvements in design, we reserve the right to change the specification without notice.