



# SAHARANPUR TESTING INSTRUMENTS PVT LTD

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue, Packaging, Converting & General Testing Instrument for Laboratory

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## **CRUSH TESTER**



Usage : for measuring the compressive strength of board and corrugated board.

Definition : The ring crush resistance of paper and paperboard is the maximum compressive force that a test piece will sustain without being crushed, the test piece being in the form of a cylinder, standing on one end, and the force being applied to the other end under specified conditions.

Standardization : ISO 13805 , ISO 13192 , ISO 13192 , TAPPI T808 , T809 , T811 , T818 , AFNOR 23035 etc.

Device Description : The edgewise compression strength of corrugated board is a principal element in determining the dynamic compression strength of the container made from that board. Since fiberboard shipping containers are frequently subjected to loads which are resisted by compression strength, this property is an important measure of the performance characteristic of corrugated board, useful in controlling the manufacturing process and in measuring the quality of the finished product. The compact , one spindle crush tester shows the measuring value on the four line digital display . the accuracy is 1+- % in a range of 10-5000 N . the measuring values are displayed in Newton.

Test Description : the operator pushes the quick button to drive the plates to the initial position to the desired tests . the sample is placed between the pressure plates , and the start button is pressed . the upper testing plates descend with the preset speed and compresses the sample . A sudden drop in the force shows the simple break. The values are displayed and plate is returned to initial position . after having taken out the sample , the instrument is ready for another test.

Specifications :

Measuring Results:	Newtons.
Stroke Length:	76 mm.
Deformation Speed:	Calibrated 12.0 mm/min or variable speed selectable upto 50 mm/min
Return Speed:	maximum
Plate Size:	125 X 125 mm.
Measuring Range:	0 - 5000 N
Accuracy:	± 1% of measured value but not better than 0.5% of the nominal value
Rupture Sensitivity	2 - 20 % of the relevant maximum load.
Thickness of test specimen	Min 0.15 with replacable 8 disc Max 0.49 mm
Sample Holder	An aluminium metal block containing annular groove 6.35 mm deep and with an outer dia meter of 49.30mm supplied with eight removable disc for different thickness of test strips
<b>Options</b>	<b>Precision Circular Punch &amp; Die cutter</b> For preparation of test pieces towards Ring Crush Test. width 12.5 mm.

Delivery Content :

Consumables :

Service and Startup :