

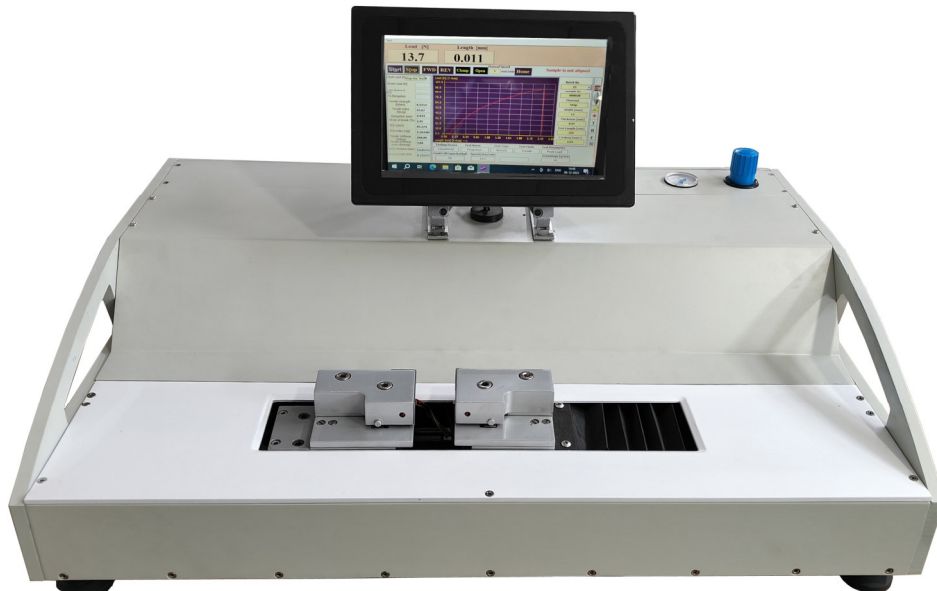


SAHARANPUR TESTING INSTRUMENTS PVT LTD

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

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Tensile Tester (Horizontal)



Usage : For the determination of tensile resistance of paper in dry state, elongation and tensile energy absorption in paper or tissue.

Standardization : ISO1924-2, UNE-EN ISO12625-4/5, TAPPIT456, T494, PAPTAC D34, BS4415/2 etc.

Device Description : This sturdy machine is easy to operate due to its PC based Software operation. Its software has many pre-installed tests like standard 100 mm tensile test for 15mm stripes or 50mm stripes for tissue. It comes with one load cell of 25 kgs , 50 kgs . The pneumatically driven clamps have sample detection and then can be started manually by a start button. This is useful if transparent samples are to be tested. The maximum distance between the clamps is 300mm . Windows based panel PC gives the dynamic versatility to operate seamlessly almost anywhere either in a laboratory or machine shops . the test speed is adjustable as per user convenience

Description : the user places the strips and the clamps are closed automatically . By pressing the start button the sample is stretched until there is break in the sample. The figures, curves, statistics with max, min, mean as well as

the standard deviation are shown on the PC software screen and can be printed simultaneously. After the test the clamps move to their original position for next sample and so on . The software comes with the preinstalled tests as they are described in the standards. Company specific tests can be set as well. All the parameters like testing speed, testing length, breaking and preload levels can be adjusted individually

Specifications :

Measuring Results	Individual results of Peak Load , Breaking Load , UTS tensile strength , Tensile Index , (Tensile energy absorption)TEA ,TEA index , Elongation in mm, tensile stiffness , Tensile Stiffness Index , Strain at break , breaking length , breaking time , MD/CD ratio.
Measuring range	Force : 0-5000N , stretch at Break 0-70% at clamping length 100mm and 0-50% at clamping length , 180mm
Clamps	15mm or 25mm
Pulling speed	1-99mm/min
Accuracy	± 1 % of the reading down to 10% of the load cell capacity
Resolutions	0.025% of the nominal load cell range and 0.1mm in elongation measurement
Computer output	USB connections / WIFI
Power supply	220v , 1-phase , 50Hz
Air Pressure	90Psi
Sample Preparations	Precision test strip cutter for cutting samples of with 15mm at extra cost