



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 (Vertical)



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

Standardization: ISO1924-1, ISO 1924-2, ISO 1924-3 , T494, PAPTAC D34, BS4415/2 etc.

Device Description: This sturdy machine is easy to operate due to its on screen LCD and the clear control buttons. Its software has many pre-installed tests like standard 100 mm tensile test for 15mm stripes. It comes with one load cell of 500 N Load. The pneumatically driven clamps are optional, as standard delivery the machine comes with hand operated clamps. Separate Start, Stop button for easy use .The maximum distance between the clamps is 300mm. On the panel is provided a USB connection for easy PC transfer of test data and export in excel format. The test speed is adjustable between 0.1 to 700 mm/minute.

Test Description: the user places the strips and the clamps are closed manually. 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 tensile strength , Stretch , TEA , tensile stiffness , breaking length , breaking time , mean value
Measuring range	Stretch at break , 0- 70 % at clamping length 100mm and 0- 50 % at clamping length , 180mm
Clamps	15 mm or 25mm
Clamping length	To be selected by user
Pulling speed	Adjusted accordingly
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	RS 232
Software	Windows Operating System
Power supply	220v , 1-phase , 50Hz
Load Cell	0-500N /50KG , 0-1000N/100KG
Sample preparation	Precision test Strip Cutter for cutting samples of width 15mm at extra cost

Delivery Content :

Consumables :

Service and Startup :