



PAPER TESTING ASSOCIATION

PAPER Testing Equipment



AUTOMATIC INTERNAL BOND TESTER IBT-10A

Code. 080102

For determining the internal bonding of paper and board

Standard : TAPPI T569, T833



Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169

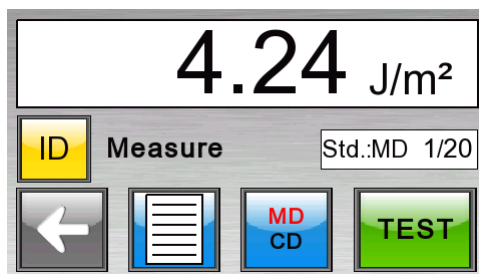


CHARACTERISTICS :

- Microprocessor controlled.
- Control panel with 4" full colour Touch Screen and an auxiliary button.
- Easy and intuitive operation of the control menu.
- Selection of work units : ft.lb/sq.in, mJ/sq.in and J/m²
- Full statistics functions over 20 values.
- Three measure ranges with exchangeable pendulums.
- Reading resolution of 0,001 ft.lb (accuracy <1%).
- Steel robust frame designed to avoid energy losses during test.
- CE mark.
- Bubble level for equipment levelling.
- Automatic equipment calibration (Automatic zero).
- Automatic pendulum release. To avoid differences between operators.
- Pneumatic fixing of the sample holder and returning of the pendulum to initial position.
- RS-232 and USB connections.
- Possibility to complete the equipment with manual or automatic preparation station, IBP-5M or IBP-5A. Consult your provider.

USER INTERFACE :

- Total control of the instrument by means of the touch screen. From this screen it is possible to perform tests, besides of managing all the functions and configurations of the instrument.
- Two results tables with a maximum of 10 values per table. Possibility of comparing values in MD and CD.
- Statistic Control. Mean value, standard deviation, maximum and minimum values.
- Periodical program updates.



Nº	J/m ²	Nº	J/m ²
1	4.24		
2	4.24		
3	299.79		
4	299.79		
		\bar{x}	152.01
		σ	170.64
		Max	299.79
		Min	4.24

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TEST DESCRIPTION :

In order to minimize variations in the test results, the sample preparation must be done with a maximum care, to achieve the most homogenous results. Optionally, the equipment can be completed with the preparation station (IBP-5M or IBP-5A).

By means of the sample preparation station, 5 samples must be prepared. Now, a sample must be placed in the test position. The Test button is pushed (in this moment, the sample holder is fixed pneumatically).

The pendulum is released automatically, minimizing this way the possible difference between operators. Once the sample is tested, the pendulum returns to the initial position. The display will show the result achieved in the last test and the mean value and standard deviation of the test series. To carry out a new test, the tested sample holder is removed, placing a new one. The test process will be repeated again.

MEASUREMENT RANGES :

	ft-lb/sq-in	mJ/sq-in	J/m ²
Low range	0,25	340	525
Standard range	0,50	680	1050
High range	1,00	1360	2100

CONNECTIONS : Electric : 220/110 V, 50/60 Hz. Air supply : 600kPa

WEIGHT AND DIMENSIONS (ONLY EQUIPMENT):

480 x 220 x 500 mm (WxLxH) / 30 Kg

WEIGHT AND DIMENSIONS WITH PACKING BOX :

730 x 540 x 750 mm (WxLxH) / 65 Kg

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