



TABLET HARDNESS TESTER

DIGITAL TABLET HARDNESS TESTER, MODEL: DIGITAB-1.

The DIGITAB-1 Hardness tester is a horizontal loading mechanical strength testing machine. The Instrument is equipped with Microcontroller based circuitry, specially designed to measure HARDNESS, DIAMETER AND THICKNESS of the tablets sequentially. The unit can be interfaced to an external Electronic Balance through the RS232 interface to record the weight of the Tablet under test. Test Results and statistical data can be printed on an externally connected 80 column dot matrix printer.

This easy to use DIGITAB-1 Instrument is having advanced features, makes it suitable and versatile for wide range of applications. The Instrument is provided with different level password protection.

Specifications:

- High resolution, LCD display panel.
- User friendly programming thru local tactile keyboard and external PS2 (computer) keyboard.
- Automatic sizing (Diameter) of new batches of tablets.
- RS232 connectivity for electronic balance interface
- Statistical analysis including Mean and standard deviation.
- Selectable Units: kg, kp, N(Newton) or Strong Cobb
- User selectable shape of the tablet
- Easy calibration and validation mode for diameter and Thickness and weight.99 test methods
- Memory to store more than 50 test reports

Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

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Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com



DIGITAL TABLET HARDNESS TESTER, MODEL: DIGITAB-SPV.

The Hardness tester is a compact vertical loading mechanical strength testing machine, for the tablets. The Instrument is equipped with Microcontroller based circuitry, specially designed to measure hardness of the tablets sequentially.

The tablet which is to be tested is placed in the area between two jaws, Upper Plunger & Lower Table. The lower base is fixed and attached to load cell. In the first step, 'Tablet Hold' vertical mechanical plunger moves down and tablet is hold between the plunger and lower base. In the next step, 'Start to Test', vertical plunger moves down and crushes the Tablet between the two jaws. The Tablet gets fractured and fracture load (hardness) is displayed on the two line informative LCD display. After the test, plunger returns to the preset position and waits for the next test tablet. The broken pieces of tablets are collected in a tray situated beneath the unit.



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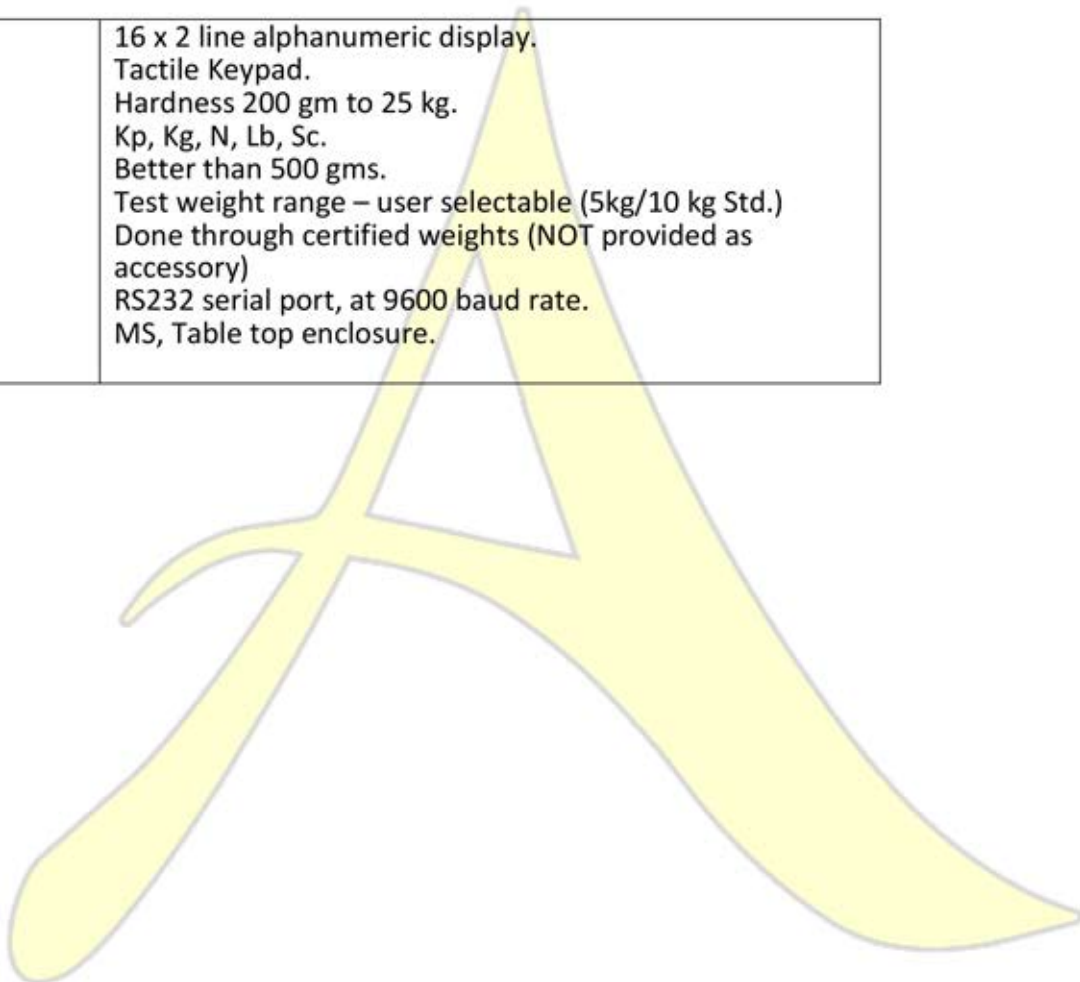
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Technical Specifications:

Display	16 x 2 line alphanumeric display.
Keypad	Tactile Keypad.
Testing Parameters	Hardness 200 gm to 25 kg.
Measuring Units	Kp, Kg, N, Lb, Sc.
Hardness	Better than 500 gms.
Calibration	Test weight range – user selectable (5kg/10 kg Std.)
Validation	Done through certified weights (NOT provided as accessory)
Interface	RS232 serial port, at 9600 baud rate.
Housing	MS, Table top enclosure.



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