

# TABLET HARDNESS TESTER

MODEL : VDIGITAB-SPV



The VDIGITAB-SPV hardness tester is used to determine the hardness of the tablet under test. The unit is built around the industry standard microcontroller with a high speed and very accurate sensor to measure the hardness of the tablet precisely.

The unit is provided with a 128 x 64 wide angle graphic LCD panel and a 4 X 4 tactile alphanumeric keypad for programming purposes. Programming the unit is extremely user friendly.

Serial interface has been provided to interface with an 80 column dot matrix printer for printing test reports. The instrument is table mounting in nature.

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## PRINCIPLE OF OPERATION:

The tablet which is to be tested is placed in the area between two jaws. The left side jaw is fixed. Right side jaw is a motorized plunger and attached to load cell which crushes the Tablet between the two jaws. The Tablet gets fractured and fracture load (hardness) is displayed on the LCD display. After that, the test plunger returns to the pre-set position and waits for the next test tablet. The broken pieces of tablets are collected in a tray situated beneath the unit. The unit is now ready for testing the next tablet. In this way, user can test any number of tablets and get a printout of the same for further analysis.

## SPECIFICATION:

- Display : 128 X 64 wide angle, display.
- Keyboard : 4 X 4 tactile alphanumeric feedback keypad.
- Set clock with password protected to set as per current time & date
- Measuring Hardness unit : KILOGRAM (kg) , Newton (N)
- Hardness Range : 200 gm. to 25 kg
- Hardness Accuracy : Better than 200 gm.
- Maximum tablet length : 25 mm
- Validation : Through certified weight
- Interface : RS 232 serial port for dot matrix printer
- Power : 230v 50Hz, 500 watt

**Also Available for Measuring  
Dimensions and Hardness.  
Model : VDIGITAB-I**

## VEEGO INSTRUMENTS CORPORATION