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**Product Name :**  
Automatic Marshall Stability Test Machine

**Product Code :**  
SCHOOL-BTM720001



**Description :**

Automatic Marshall Stability Test Machine

**Technical Specification :**

The 50 kN capacity Automatic Marshall Stability Test Machine is used to determine the maximum load and flow values of bituminous mixtures. The machine comprises of a robust and compact two column frame with adjustable upper cross beam. The unit is a bench mounting compression frame with motor and worm gear housed within the base unit. The speed of the lower platen can be adjusted between 6 mm/min to 60 mm/min using the data acquisition and control unit. For safety, the up and down travel of the lower platen is limited the use of limit switches. Rapid adjustment of the platen is controlled using the up and down buttons on the front panel of the machine. The machine can be hand operated by a lateral hand wheel for calibration purposes. The Automatic Marshall Stability Test Machine is supplied complete with: Load cell, 50 kn Linear potentiometric displacement transducer with bracket, 25 x 0.001 mm Hand wheel for manual control Breaking head, 4 PC software Connection cable Main Features : Automatically calculates flow and stability values Can make test with displacement and limited load control Real time display of test graph. CPU card with 32-bit Arm RISC architecture Permanent storage capacity up to 10000 test results. 4 analog channels, 2 channels are active for marshall test Ethernet connecting for computer interface 800x480 resolution 65535 color industrial touchscreen 4 main function keys Multi-language support Programmable digital gain adjustment for load-cell, pressure transducers, strain-gauge based sensors, potentiometric sensors, voltage and current transmitters 1/256000 points resolution per channel 10 data per second sample rate for each channel 3 different unit system selection; kn, ton and lb Real-time clock and date Test result visualization and memory management interface Remote connection through USB flash disc for importing test results and for firmware USB printer support for inkjet and laser printers (ask for compatible models) Camera support for real-time video recording during test (ask for compatible

models) Free of charge PC software for the test control and advanced report generation

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## **School Educational Instruments**

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