



## MULTISPEED Digital Automatic Universal Tester for Displacement Controlled Tests

**Standards:** [EN 12697-34](#), [ASTM D1559](#), [ASTM D5581](#), [AASHTO T 245](#), [EN 12697-12](#), [EN 12697-23](#), [AASHTO T 193](#), [ASTM D6927](#)



**ULTIMATE USER-FRIENDLINESS**



**LEADING DEPENDABILITY AND RELIABILITY**



**STRICT COMPLIANCE WITH INDUSTRY STANDARDS**



**STOCKED CONSUMABLES AND SPARES**



**TRUSTED AFTER SALES TECHNICAL SUPPORT**



**LIFETIME PRODUCT SUPPORT ADVANTAGE**

### Description

*Suitable for CBR, Marshall, indirect tensile, unconfined compression and many other displacement controlled tests.*

The new MULTISPEED tester is the ideal solution for Road testing laboratory. The 50 kN capacity and the fully variable test speed of 0.2 to 51 mm/min make it possible to perform not only the CBR and Marshall tests, but many other applications as for instance Indirect Tensile test, Quick Triaxial tests, Unconfined and Uniaxial soil testing and, in general, all test to be performed under displacement control. The machine can be equipped with analogical or digital load/displacement measurement systems as well as with the specific accessories, to suit either the field or central laboratory requirement.

The MULTISPEED tester feature a rigid two column structure with upper cross beam which can be set at various height. The load jack, DC motor and controls are housed in a specially designed base cabinet. When fit in the digital mode, test data is acquired and processed by the Digimax or by other similar instruments.



**GET A QUOTE**



One of the main features of the new MULTISPEED is the control of test speed which is first easily set and then shown on the display. Furthermore, the test stroke can be set at the beginning of the test with automatic stop, avoiding to overload the machine and the specimen, thus assuring the operator safety. This important feature also permit to perform the speed calibration of the machine by micrometric manual adjustment by the operator. The display also show the travel direction of lower platen. The front panel is also fitted with an emergency button and two operating led: machine switched on and travel direction.

## Main Features

- Closed loop speed control
- CBR and MARSHALL test speed can be selected by default.
- Other testing speeds (Custom) between 0.2 and 51 mm/min, can be easily set.
- Selection of maximum platen displacement.
- The automatic stop of the machine avoids machine and specimen overloading, thus assuring operator safety.
- Rapid approach function, to reduce the testing time.
- Rapid platen return to speed up the platen base return at the end of the test.
- Speed calibration function by firmware. The test speed is originally factory calibrated using a polynomial interpolation. A test point is provided to verify the speed with a standard tachometer.
- Emergency stop button as required by the CE prescriptions.



## Specifications

NG-Multispeed	
Maximum Capacity	50 kN
Test Speed	Infinitely variable: 0.2 to 51 mm/min
Power	DC motor 750 W
Horizontal Clearance	270 mm between columns
Maximum Vertical Daylight	730 mm without accessories
Platen Travel	100 mm
Overall Dimensions	39 x 49 x 121 cm
Approximate Weight	65 kg
Alphanumeric Display	2x16 characters

[GET A QUOTE](#)