

DATASHEET

## MARSHALL TESTER

### 50 kN Marshall Compression Tester



The Marshall tester is a stand-alone compression load frame that can perform Marshall tests and all other compressive tests requiring a fixed compression speed of 50.8 mm/min, at a maximum capacity of 50 kN. Our tester is compatible for use with handles for calibration purposes, plus a limit switch is provided **to limit the lower levels of travel.**

You can add dedicated accessories (not included in the machine). The system can be equipped in both analog mode (with load ring and dial gauge) or digital mode, by using the Digimax Pro readout unit with relevant accessories.



Set for performing MARSHALL test (accessories have to be ordered separately).

#### Main features

**Ideal solution for the automatic performance and elaboration of displacement controlled MARSHALL TEST**

- Updated compact design (470 mm width) built with premium materials
- Fixed platen speed of 50.8 mm/min
- Simple 4-button user interface with emergency button
- 50 kN maximum capacity, suitable for testing 4" and 6" dia. specimens
- Compatible for use with both analogical and digital configuration
- Compatible for use with new Digimax Pro (not included).

## Models and Technical Specifications

<b>Max. Load cap [kN]:</b> 50
<b>Power [W]:</b> 750
<b>Horizontal span [mm]:</b> 270
<b>Vertical span [mm]:</b> 625
<b>Speed range [mm/min]:</b> 50,8
<b>Type of control:</b> Displacement
<b>Overall dimensions (W x D x H) [mm]:</b> 470 x 670 x 1130
<b>Weight (machine only) [kg]:</b> 90 kg Approx.
<b>Single phase line voltage/Frequency:</b> Mod. B3002: 230 V / 50 Hz Mod. B3003: 220 V / 60 Hz Mod. B3004: 220 V / 60 Hz

## Ordering Information

<b>76 - B3002</b> Marshall Compression Tester 230 V, 50 Hz
<b>76-B3003</b> Marshall Compression Tester 220 V, 60 Hz
<b>76-B3004</b> Marshall Compression Tester 110 V, 60 Hz

**NOTE:** Load cell and specific accessories are not included.

## Standards

Soil tests		Triaxial Tests			Asphalt Tests					
CBR	Unconfined Compression	Quick Triaxial (UU)	Marshal	Indirect Tensile with 4 transducers	Splitting Tensile TSR Indirect Tensile Strength	Semi-Circular Bend SCB - IFIT	IDEAL-CT	IDEAL-RT	ISS	Interlayer bonding/ Shear Bond Test (Leutner)
EN 13286-47, ASTM D1883, AASHTO T193, BS 1377:4, NF P94-078, UNI CNR 10009	ASTM D2166, ASHTO T208, BS 1377:7 EN 17892:7	ASTM D2850, BS 1377:7 EN 17892:8	EN 12697-34, ASTM D1559, ASTM D5581, ASTM 6927, AASHTO T245, BS 598-107, NF P98-251-2, DIN 1996, CNR 30	CNR 134	EN 12697-12, EN 12697-23, ASTM D6931, AASHTO T283	EN 12697-44, ASTM D8044, AASHTO T393/TP124	ASTM D8225	ASTM D8360	AASHTO TP114	AASHTO TP114
✗	✗	✗	✓*	✓*	✓*	✓**	✓**	✓*	✗	✓*

NOTE \*Digital version may be required by standard \*\*Partial conformity to speed specifications

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