

MARSHALL-INDIRECT TENSILE DIGITAL COMPRESSION TESTER

A bench mounted compression frame with motor and worm gear housed within the base unit producing a platen speed of 50.8 mm/min. A limit switch is provided for the bottom limit of travel. The machine is fit with a precision strain gauge load cell and displacement transducer, both connected to the Digimax Touch data acquisition and processing system (which is part of the system) featuring a large display and standard software covering either the Marshall or the Indirect tensile test. For more details see PC software.

The machine can be completed with a PC software (see accessories) suitable for running CBR, Marshall, Indirect Tensile and universal load/displacement tests. Data are presented numerically and graphically in real-time:

- Saving and management of tests through single files
- Single and multiple test result management and printout: Data export to MS Excel®
- Language selection: English, French, Spanish and Italian plus any other custom language
- Connection to Controls machine with high speed Ethernet connection.



MARSHALL-INDIRECT TENSILE DIGITAL COMPRESSION TESTER

SPECIFICATION

- Max. capacity: 50 kN
- Strain gauge load cell 50 kN cap.
- Displacement transducer 25 mm travel
- Data acquisition and processing: by Digimax readout unit featuring
 - large graphic touch screen display 240 X 128 pixel,
 - Effective resolution 16 bit ,

- Effective sampling rate 40 Hz ,
- LAN-Ethernet communication port ,
- Data storage on USB pen drive (included)
- Platen speed: 50.8 mm/min
- Power rating: 736 W
- Overall dimensions (hxlxd): 1028x392x560 mm
- Weight approx.: 85 kg

STANDARDS

- ASTM D1559
- ASTM D5581
- AASHTO T245
- EN 12697-12
- EN 12697-23
- EN 12697-34
- ASTM D6927
- AASHTO T283
- ASTM D6931

FEATURES

- 50 kN capacity
- High precision strain gauge load cell and displacement transducer included
- Touchscreen graphic display 240x128 pixel, icons driven showing figures and diagrams
- High resolution: 132000 points
- Large storing capacity on USB pen drive of test data downloadable to PC
- Ethernet port for connection to PC
- Language selection
- Software package available for data processing and print including data-base (not included)
- For Marshall and Indirect tensile tests

ACCESSORIES

76-B0033/6

Stability mould for 6" (152.4 mm) diameter specimens

70-SW/CMS

PC software for Marshall, CBR, Indirect Tensile and universal test. When used with 34-V117X, 70-T108X, T118X and T119X, also suitable for SCB (to EN 12697-44, ASTM D8044 and AASHTO TP124), IDEAL-CT and Leutner SBT tests. ...

76-B0078/F3

Pair of loading strips for 160 mm dia. samples suitable for jig code 76-B0078/F

76-B0033/4

Stability mould for 4" (101.6 mm) diameter specimens

76-B0078/F

Frame for tensile splitting device (Lottman Breaking Head) for compacted bituminous samples 100 mm (4") dia. 150 mm (6") and 160 mm. Conforming to EN 12697-23, ASTM D6931 and AASHTO T283. To be completed with suitable pair of loading strips.

76-B0078/F1

Pair of loading strips for 100 mm dia. samples suitable for jig code 76-B0078/F

76-B0078/F2

Pair of loading strips for 150 mm dia. samples suitable for jig code 76-B0078/F

ORDERING CODE**76-B3802**

Marshall compression testing machine with digital control panel and readout unit, load cell 50 kN capacity and external displacement transducer. 230V/50Hz/1Ph

76-B3803

Marshall compression testing machine with digital control panel and readout unit, load cell 50 kN capacity and external displacement transducer. 220V/60Hz/1Ph

76-B3804

Marshall compression testing machine with digital control panel and readout unit, load cell 50 kN capacity and external displacement transducer. 110V/60Hz/1Ph



