

DATASHEET

DIGIMAX PRO

Touch-Screen Readout and Data Acquisition Unit for CBR, Marshall, Indirect Tensile and Universal Tests



The new DIGIMAX PRO is a versatile touchscreen readout and data acquisition unit that allows analog 50kN Multipurpose testers to perform CBR, Marshall, Indirect Tensile and Universal tests.

Its wide 7" touchscreen capacitive color display and user-friendly menu will guide the operator to obtain all test data digitally, view graphs in real time and elaborate test results automatically.

DIGIMAX PRO uses the latest electronics to extend the life of your older unit with advanced performances and electronics features.

Effective resolution, sampling rate, accuracy and stability of the readings, touchscreen sensitivity and reaction time, network connectivity, calibration functions, are all remarkable features of our DIGIMAX PRO.

- **User- friendly display:** wide high resolution 7" color graphic touchscreen display
- **Flexible data acquisition:** up to four channels for external displacement transducers, two channels for load cells plus one channel for crosshead travel allowing for a wide range of the test methods to be performed.
- **Versatile readout and data acquisition unit:** real-time reading and acquisition of data coming for a wide range of tests such as CBR, Marshall and Indirect Tensile.
- **Useful for retrofitting:** readout and acquisition unit for retrofitting existing models.



DIGIMAX PRO at a Glance

- 6 channels for data acquisition
- 7" touchscreen capacitive color display for viewing real-time graph and test data
- 18 pre-set testing profiles according to Standards
- User-friendly interface with intuitive selections, self-explanatory icons, optimized test procedures
- Advanced calibration menus with linearization functions, driven procedures, safe storage
- Large storing capacity thanks to 16GB internal memory
- Easy data download via USB pen drive
- Easy connection via LAN, RS 232 serial port.

Technical Specifications

Code: 34-P60R12

Data download: Ethernet port, RS232 port or USB key

Memory: 16GB internal memory

Number of channels: 6 (N°2 Load Channels, N°4 Displacement Channels)

Channel resolution: 24 bit

Sampling frequency: up to 100Hz

Voltage: 110-240V AC

Frequency: 50–60 Hz

Weight: 5 Kg

Overall dimensions: 300mm (W) X 250 mm (D) X 150 mm (H)



Sideview of DIGIMAX PRO



Backview of DIGIMAX PRO with all available connection plugs

Ordering Information

34-P60R12 - DIGIMAX PRO

Six channel readout and processing units for load and displacement sensors. (2 for load and 4 for displacement)

82 – SW/BMD

PC software for 76-PV128x Balanced Loader, 70-T128x Uniframe testers, 34-V118x Multiloader and for 82-P60R12 Digimax readout unit, suitable for BMD asphalt mix test.



Main menu



Examples of some pre-set testing profiles

Standards

- ✓ EN 12697-34
- ✓ ASTM D1883
- ✓ ASTM D1559
- ✓ ASTM D5581
- ✓ AASHTO T245
- ✓ EN 12697-12
- ✓ BS 1377:4
- ✓ NF P94-078
- ✓ AASHTO T193
- ✓ EN 13286-47
- ✓ UNI 10009
- ✓ ASTM D6927
- ✓ ASTM D8225
- ✓ ASTM D8360
- ✓ ASTM D8044
- ✓ AASHTO T400
- ✓ CNR 134
- ✓ EN 12697-48
- ✓ ASTM D8360

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