DP BOX - Portable Readout

Readout / Data logger

RUGGED & RELIABLE
VERSATILE & EASY TO USE
HIGH-RESOLUTION, TOUCH SCREEN INTERFACE

The DP BOX portable readout is designed to accurately read and record data from the electronic Pressuremeters and Dilatometers from Roctest including the TEXAM, PROBEX and DMP.

Description

The **DP BOX** is designed for reading and logging measurements obtained from pressuremeters and dilatometers manufactured by Roctest (including the DMP, TEXAM and PROBEX). The **DP BOX** unit is operated with an Android tablet. The special Reader Application, installed on the tablet, allows : configuring the tests and calibrations, reading and plotting the test results in real-time, logging the data, and to reviewing test results. These tests data, stored on the tablet, can be uploaded to a laptop via USB communication.

The **DP BOX** is fitted with two 12-V rechargeable batteries providing over 8 hours of autonomy in normal conditions. The front panel is splash proof allowing the use the equipment in humid conditions.

The **DP BOX** comes with cable universal AC wall plug with US/Euro adapter + adapter cable for car (lighter) and for external battery. The battery can be charged every night. A charging circuit limits charge time to a certain level.

Key Features

- Rugged, reliable and accurate
- Compatible with TEXAM, PROBEX and DMP
- Bluetooth communication with Android tablet
- Automatic acquisition and real-time visualisation for enhanced control of the test
- Easy to configure and to use with DP BOX Reader Application
- Usable in harsh environments

Applications

- The DP BOX portable readout is designed to accurately read and record data of Pressuremeters and Dilatometers from Roctest

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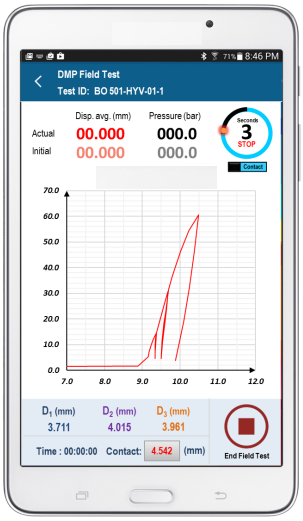
Specifications

User Interface	Bluetooth communication with an Android tablet
Memory	Typically over 10 000 data sets (tablet-dependent)
Analog Accuracy:	0 to 40 °C: ± (0.04% of measurement + offset) - 40 to 50 °C: ± (0.1% of measurement+ offset)
Analog Resolution	24-bits ADC
Relative Humidity	≤95 % (non-condensing)
Data Output Format	CSV, compatible with Roctest '*Companion*' Data Reduction Spreadsheets Series
Power Supply interface	Universal AC wall plug with US/Euro adapter + adapter cable for car (lighter) and for external battery.
Operating temperature	-20 to 50°C
Readout Autonomy	> 8 hours
Tablet Autonomy	Depends on tablet model and setup.
Battery	2 x 12 V 2.3 A, rechargeable
Fuse	5 Amp Slow Blow Fuse: F5A H250V (5 x 20mm)
Connectors	3-pin female connector for external power input and battery charger 10-pin female connector for probe USB-B connector
Case	Waterproof, shock resistant ABS plastic
Dimensions	25 x 28 x 12 cm (l x w x h)
Weight	4.3 kg

DP BOX Front Panel



Real Time Reading and Acquisition

Ordering information

The readout includes adapters for charging batteries and connector caps.

Please specify accessories required :

- Android tablet
- Jumper cable compatible with PROBEX or TEXAM

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