DP BOX - Portable Readout

Readout / Data logger

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

The D/P BOX portable readout is designed to accurately read and record data of the new electronic Pressuremeters and Dilatometers from Roctest including the TEXAM^{e}, PROBEX^{e} and DMP^{e}

Description

The **D/P BOX** is designed for reading and logging measurements obtained from pressuremeters and dilatometers manufactured by Roctest (including the DMP^{e}, TEXAM^{e} and PROBEX^{e}). The **D/P BOX** unit is operated with an Andoid 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 test data can be uploaded to a laptop via USB communication.

The **D/P 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 **D/P 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 inside the readout limits charge time to a certain level.

Key Features

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

Applications

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

DP BOX - Portable Readout

Readout / Data logger

Specifications

User Interface	Bluetooth communication with an Android tablet
Memory	Typically over 10 000 data sets (tablet-dependent)
Analog Accuracy:	±(0.04% of reading ± 6 µV) at 0° to 40°C
ADC	24 bits
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 Euro/US adapter + adapter cable for car (lighter) and for external battery.
Operating temperature	-20 to 70°C
Readout Autonomy	> 8 hours
Tablet Autonomy	Depends on tablet model and setup. A USB cable is provided for charging tablet from DP Box
Battery	2 x 12 V 2.3 A, rechargeable
Connectors	4-pin female connector for external power input and battery charger 10-pin female connector for probe USB connector for charging tablet
Case	Waterproof, shock resistant ABS plastic
Dimensions	25 x 28 x 12 cm (l x w x h)
Weight	4.3 kg

D/P 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^{e} or TEXAM^{e}

Smartec SA
Via Pobiette 11
CH-6928 Manno, Switzerland
Phone +41 91 610 18 00
Fax. +41 91 610 18 01
Email info@smatec.ch
Web www.smartec.ch

SMARTEC SA reserves the right to make any changes in the specifications without prior notice