

## FIELD OF USE

In real time, at the base of the face, profile, implant, display and correct a mine blasting.

Several points are spotted on a same vertical line of the face and measured with the laser rangefinder. The TABLET, connected to the laser, records the coordinates of each measured point and automatically displays the profile of the face. The operator can then act directly and adjust the location of the hole to be drilled there.

## DESCRIPTION OF EQUIPMENT

### Kit composition Profiler LASER - TABLET

- a laser rangefinder TruPulse 200 (optional, TruPulse 200X) with inclinometer, serial port, sturdy and watertight with an IP54<sup>(1)</sup> protection ;
- optional : an tripod with ball head for laser rangefinder ;
- a TABLET easy to use with an IP67<sup>(2)</sup> protection ;
- a charger (220V adapter);
- a serial connection cable to connect the laser and the TABLET ;
- a USB cable to transfer data between TABLET and computer (PC) ;
- a instruction manual.

<sup>(1)</sup> IP54 = protected against dust and splashing water from all directions

<sup>(2)</sup> IP67 = dust-tight and protected against temporary immersion in water up to 1 m



**Laser Profiler**



**Tablet**

### Essential characteristics of devices

#### The Laser Profiler

- Weight : 285 g
- Dimensions : 12 cm x 5 cm x 9 cm
- Communication : Serial through RS232 and Bluetooth
- Precision measurement : +/- 0,20 m
- Angle of precision : +/- 0,25°
- Power supply : 3,0 V - 2 alkaline AA , NiMH, Li or batterie CRV3
- Battery life : ~ 8 hours continuously
- Use temperature : - 20°C to + 60°C

#### The Tablet

- Weight : 660 g with batteries
- Dimensions : 20,2 cm x13,8 cm x 2,2 cm
- Communication : USB 2.0, Wifi and Bluetooth
- Operating system : Android version 8.0
- Memory : 3 GB RAM + 128 GB ROM [extension SD card storage]
- Microprocessor : ARM Cortex A53 Quad Core 1.5G Hz x4
- Screen : LCD - 720 x 1280 pixels
- Battery life : 9650 mAh
- Use temperature : - 20°C to + 55°C

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