

## MEASURING METHOD AND PRINCIPLE OF OPERATION

The EXPLOMET-FO-2000™ has 5 independent timers measuring the time intervals between the illumination of 6 optical probes. One of the probes starts all the timers. Then every triggered probe stops its timer. Results are displayed instantly. The Explomet operates in one of the following modes:

- Velocity and Time: The probes must be illuminated in ascending order, ie P1, P2, P3, P4, P5 and P6. The EXPLOMET™ measures the time intervals between the illumination of two consecutive probes and calculates the Velocity Of Detonation.
- Time only: The probes are illuminated randomly. The EXPLOMET™ measures the time intervals between the illumination of the first and the second probe, then between the second and the third probe, and so on until all time intervals have been measured.

## USER FRENDLY

Menu driven operation on an easy to read 4 lines display.  
Save up to 100 results in the internal memory.  
Transfer the results to a Window-PC via the RS-232 serial interface and read them with a spreadsheet program.

## SWISS QUALITY

### Reliability

Reliable technology in a robust anodized aluminum case.  
Fiber optic probes provide perfect immunity against electromagnetic noise.

### Precision

Time measurement: +/- 0.1 microsecond.

### Safety

Distance between the EXPLOMET-FO-2000™ and the blasting site up to 200 m.

## EASY VOD MEASURE

### Easy use

Basic familiarity with explosive handling is sufficient to operate the EXPLOMET-FO-2000.  
The use of optical probes permits detonating velocity measurement on very short cartridges.  
Fast setup, the user only has to plug the optical probes in the explosive cartridge.  
Each measure destroys only approximately 20cm of optical probe.  
Can be adapted to any existing site (with fixed cables).

### Portable

Only 5kg with all attachments in a rugged case for easy transportation to the blasting site.

### Operates on batteries

Over 40 hours autonomy, rechargeable with AC/DC adapter/charger.

## EXAMPLES

### The EXPLOMET-FO-2000 measures

- VOD of all explosives, detonating cords, propellants and pyrotechnics
- Under confinement, VOD in a metal tube or in a blasthole
- Continuous VOD with up to 6 probes
- Time intervals on explosives of various forms
- Delay of non electric detonators (Shock Tube detonators)
- Delay of electric detonators together with the DETOMET™ instrument

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