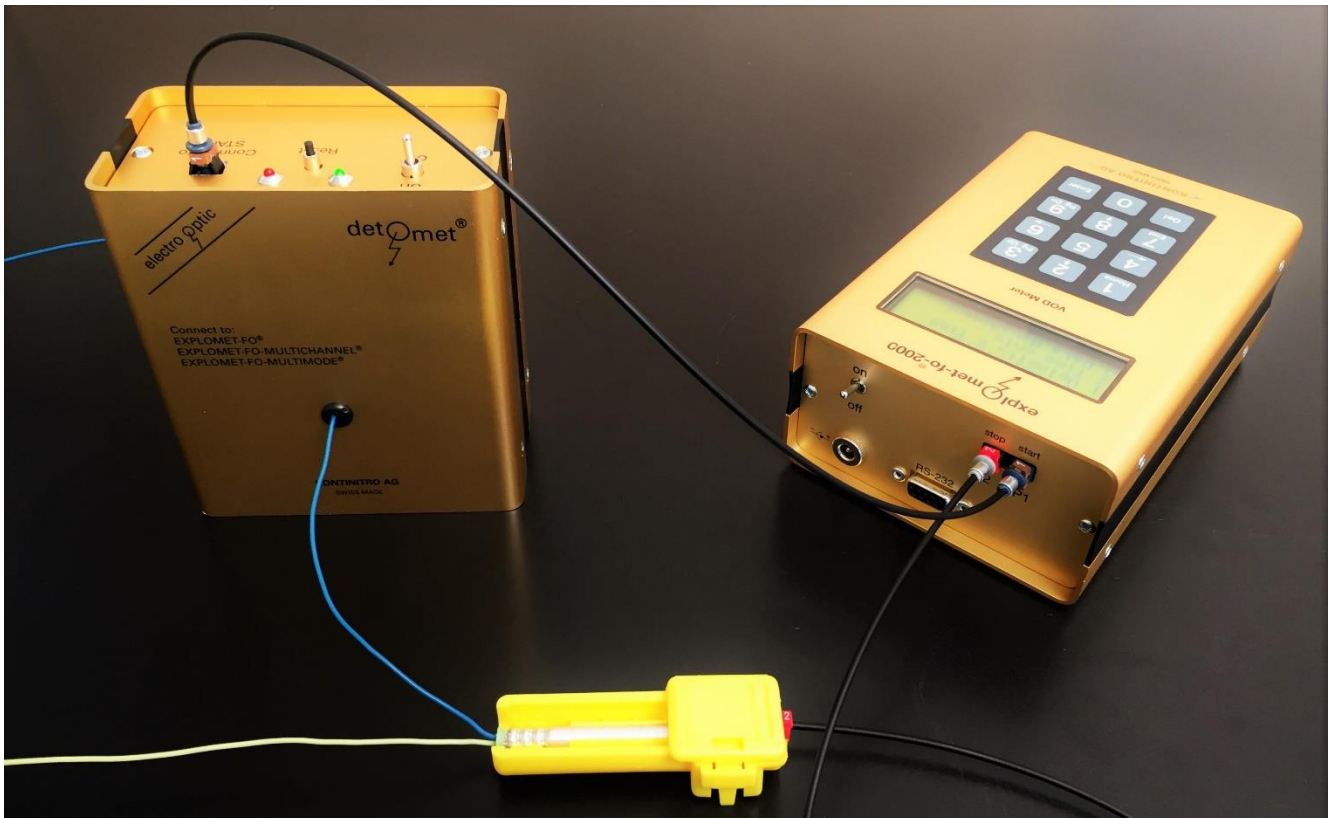


THE DETOMET™

Delay time measuring instrument for Electric Detonator

CONNECT TO EXPLOMET-FO-2000™ & EXPLOMET 2™

THE DETOMET INSTANTLY CONVERT THE ELECTRIC FIRING IMPULSE IN AN OPTIC SIGNAL WHICH IS TRANSMITTED TO THE EXPLOMET-FO-2000 AND EXPLOMET 2 USED AS AN ELECTRONIC TIMING DEVICE.



MEASURING METHOD AND PRINCIPLE OF OPERATION

The DETOMET™ detects the firing impulse generated by the electric blasting machine by means of a sensor located in the box through which passes the electrical wire linking the detonator to the blasting machine. The signal is sent via fiber optic cable to the EXPLOMET-FO-2000™ or Explomet 2 where it starts an electronic timer device.

A further fiber optic cable is connected to the detonator and leads also to the EXPLOMET-FO-2000 or Explomet 2.

The firing of the detonator signals the EXPLOMET-FO-2000 to stop the timing device and displays the delay time in microseconds between the firing impulse and the firing of the detonator.

Technical & Logistic Offices

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APPLICATION FOR ALL ELECTRIC AND ELECTRONIC DETONATORS

Instantaneous electrical detonators (IED)

Short period delay detonators (SPD)

Long period delay detonators (LPD)

Electronic detonators

Pyrotechnic detonators (electric firework igniter)

EASY QUALITY CONTROL

Reliability:

- The DETOMET does not interfere with the initiation of the detonator and provide a high accuracy and safety of use.
- The use of fiber optic has the benefit of being immune against electromagnetic field and prevent false triggering leading to false results.

Precision:

- Time measurement of the EXPLOMET-FO-2000: +/- 0.1 microsecond.
- Time measurement of the EXPLOMET 2: +/- 0.01 microsecond.

Safety:

For your safety:

- Distance between the detonator and the DETOMET & EXPLOMET-FO-2000 or EXPLOMET 2:
up to 200 m. Possibility to install fixed lines.

For your detonators:

- Avoid proximity with mobile phones.
- Avoid proximity with static electricity.

Easy use:

- No special training is required for the use of DETOMET, EXPLOMET-FO-2000, EXPLOMET 2 and all those experienced in the use and handling of explosives will be able to operate the system with ease
- The consumption of optic cable is very low (about 10 cm is destroyed for each test)

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- Easily portable, can be carried with the EXPLOMET-FO-2000 or EXPLOMET 2 system and its heavy-duty case.

Easy installation:

- Can be adapted to any existing site (with fixed cables).

Portable:

- Only 4,5kg in transport case, with the EXPLOMET-FO-2000 or EXPLOMET 2.

Operates on batteries:

- With 9V replaceable battery.

EXAMPLES:

- With the DETOMET and the EXPLOMET-FO-2000 or EXPLOMET 2 you can test easily 1 detonator.
- With the DETOMET and the EXPLOMET-FO-2000 or EXPLOMET 2 you can also test simultaneously up to 5 detonators.

OPERATION :

1. Prepare the optical probes
2. Pass one of the detonator leg wire or connecting wire through the DETOMET box
3. Connect the optical cable linking the DETOMET to the "start" plug on the EXPLOMET-FO-2000
4. Fix an optical cable to the detonator with a special clip or a tape and connect the other end to the "stop" plug of the EXPLOMET-FO-2000 or EXPLOMET 2
5. Fire the detonator!
6. Read on the EXPLOMET-FO-2000 or EXPLOMET 2 display the delay in microseconds between the firing impulse and the base charge explosion.

SPECIFICATIONS:

Dimension: Solid anodized aluminum case: 110 x 113 x 40 mm.

Weight: 0,6 kg

Battery: 9 V, 500mAh, Block AM6 or 6 LR 61 (UCAR-Alkali).

Operating range:

- Distance between the DETOMET and the EXPLOMET-FO-2000 or EXPLOMET 2: up to 20 m.
- Distance between the detonator and the EXPLOMET-FO-2000 or EXPLOMET 2: up to 200 m.

Important:

One of the electric wires linking the blasting machine to the detonator must pass through the DETOMET box.

Test Lamp:

- For indicating the sending of the optic signal.

Optical Fiber:

- Plastic fiber optic cable: - core 1 mm diameter; jacket: 2.2 mm diameter
- 5 mm diameter black PE protection pipe for the fiber optic probes.

Explomet-fo-2000 or EXPLOMET 2:

- Please read the data page of EXPLOMET-FO-2000 or EXPLOMET 2 for more specifications.

Notes:

- Technical changes which improve the quality of the system are reserved.
- To test the delay time of non-electric detonators, use the EXPLOMET-FO-2000 or EXPLOMET 2 with the “start” probe connected at the detonator’s shock tube.

Swiss Made

- EXPLOMET 2™, EXPLOMET-FO-2000™ & DETOMET™ are registered Trademarks of KONTINITRO SA.