

COMPARATIVE TABLE

Explomet 2T+ - Swiss Made

Summary:

The Explomet2T+ is simply the best measuring instrument manufactured by Kontinitro since 1987. The Explomet 2T + is the first VOD measuring instrument with a self-calibrating quartz independently of the outside conditions. Designed to withstand temperatures between -40 and 80 degrees Celsius (-40- and 176 degrees Fahrenheit), it can withstand the worst conditions, such as rain, mud, sand, dust, and snow. Its ionized aluminum case gives it great strength and makes this measuring instrument almost indestructible.

Compatibility:

All accessories are compatible between all our instruments:

Explomet 3, Explomet 2T+, Explomet 2TM, Explomet High Capacity, Explomet-fo-2000.

and accessories:

- All optical connectors
- Plastic optical fibers
- SD cards

Dimension:

130 x 184 x 50-80 [mm]

Yellow Explorer Transport Case

Outside Diameter: 360 x 460 x 160 [mm]

Weight:

Explomet 2T+: 1.95 [kg],

Explomet 2T+ with case and full material:

6.65 [kg]

Case:

Case: Thick anodized aluminum 5 [mm]

Cover: Thick anodized aluminum 3 [mm]

Quartz and Calibration:

Self-calibrating quartz based on the outside temperature. No calibration required.

Display:

5.0 inch

Resistive touchscreen

Autonomy:

10h hours on rechargeable Lithium-Ion batteries 18650

AC/DC adapter/charger for 100-240V

AC 50-60Hz

Average batteries charging time: 1:45 hours

Explomet 3 - Swiss Made

Summary:

The Explomet 3 is designed for V.O.D. measurements of explosives, detonators, detonating cords, fuels, oxidizers, etc. in the laboratory, in the field and in the blast hole.

It is integrated in a shockproof and weatherproof case, temperature corrected, almost waterproof (except for the passage of fibers). During measurements, the lid can be closed, thus avoiding any risk of deterioration or introduction of dust into the instrument.

Easily transportable, weighing only 4.5kg, it has a long autonomy and can be re-charged thanks to its integrated universal charger in all countries. The measured data is stored on an external SD card for easy transfer to any computer.

Compatibility:

All accessories are compatible between all our instruments:

Explomet 3, Explomet 2T+, Explomet 2TM, Explomet High Capacity, Explomet-fo-2000.

and accessories:

- All optical connectors
- Plastic optical fibers
- SD cards

Dimension:

270 x 250 x 180 [mm]

Weight: 4.5 kg

Case:

Heavy duty plastic case

3 [mm] Metal dashboard

Quartz and Calibration:

Self-calibrating quartz based on the outside temperature. No calibration required.

Display

7.0 inch

Resistive touchscreen

Autonomy:

Minimum operating time of 12 hours, Maximum 23 hours provided by 2 sealed AGM 6V/5Ah batteries. Built in charger

Input: 100-240V, AC 50-60Hz

Average batteries charging time: 2:00 hours

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Operating range:

Distance between two optical fibers on the explosive: from 50 [mm] to 9999 [mm]

Detonating velocity up to 15'000 [m/s]

Time interval measurement: 10 nanoseconds to 10.7 seconds

Timers:

5 synchronous timers

Operating temperature:

-40 to 80°C

Accuracy:

+/- 10 nanoseconds [ns]

Fiber Optic:

ESKA™ SK-40 Simplex Plastic Optical Fiber Cable

Core Ø: 1mm, Outer Ø: 2.2mm

File Type:

Text file (.txt) can be read with all programs reading txt files (Word, Excel, Notepad, Open Office, Text Edit, Pages, Numbers, etc.).

Language:

English

Data Storage:

SD card with a maximum capacity of 32 GB (e.g. 10'000 data acquired in velocity and time measurements = 2.5 KB)

Traceability:

Non



Operating range:

Distance between two optical fibers on the explosive: from 50 [mm] to 9999 [mm]

Detonating velocity up to 15'000 [m/s]

Time interval measurement: 10 nanoseconds to 30 seconds

Timers:

7 synchronous timers

Operating temperature:

-40 to 80°C

Accuracy:

+/- 10 nanoseconds [ns]

Fiber Optic:

ESKA™ SK-40 Simplex Plastic Optical Fiber Cable

Core Ø: 1mm, Outer Ø: 2.2mm

File Type:

Text file (.txt) can be read with all programs reading txt files (Word, Excel, Notepad, Open Office, Text Edit, Pages, Numbers, etc.).

Languages:

6 languages selectable in the configuration menu (English, Spanish, Portuguese, German, Italian, French)

Data Storage:

SD card with a maximum capacity of 32 GB (e.g. 10'000 data acquired in velocity and time measurements = 2.5 KB)

Traceability:

All data acquired by the instrument can be restored for data traceability.

