

RIONEL™ LP

Non-Electric Long Period Delay Detonator

Previously ZIPDET LP

www.maxam-na.com



1.1B & 1.4B

The RIONEL™ LP is designed for use in non flammable underground mining and tunneling environments.

The delays of the RIONEL™ LP series are longer than those of the RIONEL™ MS series and are used in confined applications where longer delays are required.

The RIONEL™ LP detonator can prime RIOBOOSTER™, RIOGEL™, RIOHIT™, RIOSPLIT™ and the full range of MAXAM's detonator sensitive explosive products.

All RIONEL™ LP include a J-Hook type connector to ease the connection to a line of RIOCORD™ detonating cord (3 gram/meter minimum).

The shock tube is designed to elongate and avoid tensile stress damage during normal mining and construction conditions.



Advantages

- Safe, reliable and user friendly
- Safe against extraneous electrical currents
- Laser delay tag printing provides clear and smudge resistant timing and product information
- The design, colors, labels and packaging ease its visibility and identification
- The fastening band is easy to break manually to achieve a quicker loading operation

1.1B Transportation Classification	1.4B Transportation Classification
Packaging Single package container (no subpacks). Internal layers and dividers based on lead lengths and quantities per container for ease of counting.	Packaging There are two subpacks in each case divided into two cubes. The subpacks are legal shipping containers and can be removed for individual shipping. Every layer within the cube is divided by a fiberboard separator for easy counting.
Hazardous Material Classification Explosive, Blasting, Type B Class and Division 1.1B PG II, UN 0360	Hazardous Material Classification Explosive, Blasting, Type B Class and Division 1.4B PG II, UN 0361

Delay Times

Period Number	Milliseconds
0	0
1	400
2	800
3	1,200
4	1,400
5	1,600
6	1,800
7	2,000
8	2,500
9	3,000
10	3,500
11	4,000
12	4,500
13	5,000
14	5,500
15	6,000
16	7,000
17	8,000
18	9,000

Packaging 1.1B

Feet	Meters	Units per Case	Units per Row	NEM per Case (kg)
8	2.4	120	30	0.1
12	3.7	120	30	0.1
16	4.9	120	30	0.1
20	6.1	120	30	0.1
24	7.3	100	25	0.08

*Additional lengths may be available by special order.

Packaging 1.4B

Feet	Meters	Units per Case	Units per Sub	NEM per Case (kg)
8	2.4	160	80	0.13
12	3.7	160	80	0.13
16	4.9	160	80	0.13
20	6.1	160	80	0.13
24	7.3	144	72	0.12

*Additional lengths may be available by special order.



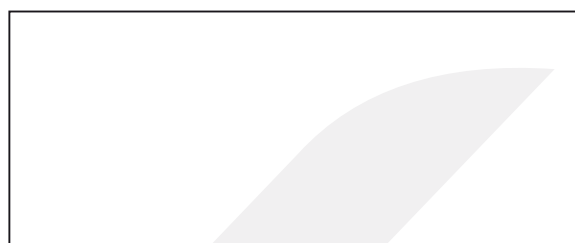
Case Dimensions (L*W*H)
 1.1B: 17.25" x 19.75" x 9.5" (438mm x 502mm x 241mm)
 1.4B: 16.25" x 23" x 14.75" (375mm x 584mm x 375mm)

Exclusion of Responsibility

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