



TIMESTAR II 250 Detonator

Insensitive Quartersecond Delay Electric Detonator

DESCRIPTION

Electric detonators **TIMESTAR 250** are designed to provide the precise control necessary to produce accurate and consistent blasting results in a variety of blasting applications in the mining, quarrying and construction industries.



BENEFITS

- 720 mg PETN base charge far exceeds the standard #8 strength detonator.
- Industries strongest aluminum shell reduces the possibility of water hammer effect.
- Anti-static PVC insulation for added protection from extraneous currents.
- Wide selection of delay intervals provide greater flexibility in blast design.
- Protected primary explosive charge.

PROPERTIES

TIMESTAR 250 Delay Sequence

Delay #	0	1	2	3	4	5	6	7	8	9	10	11	12
MS Nominal Delay	0	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
Delay #	13	14	15	16	17	18	19	20	21	22	23	24	
MS Nominal Delay	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	

TIMESTAR II Resistances (Ω)*

Length (m)	2	2,5	3	3,5	4	5	6	9	12	15	20	25	30
Cu 0,5	0,9	1,0	1,1	1,2	1,3	1,5	1,7	2,2	2,8	3,3	4,2	5,2	6,1
Cu 0,6	0,8	0,9	0,9	1,0	1,1	1,2	1,3	1,7	2,1	2,5	3,1	3,8	4,4
Fe 0,65	2,2	2,6	3,0	3,4	3,8	4,6	5,4	7,8	10,2	12,6	16,6	20,6	24,6

*includes fusehead resistance of 0,6 Ω

T I M E S T A R II 2 5 0 D e t o n a t o r

PROPERTIES

TIMESTAR II Firing Parameters

	Single Detonator	Single Series	Parallel Series	Parallel
All-Fire Current (DC Amps/4 ms)	2,0	2,12	2,12	2,12/detonator
All-Fire Impulse (mJ/ Ω /4 ms)	16	18	18	18/detonator
No-Fire Current (DC Amps/5 min)	0,45	0,45	0,45	0,45/detonator
No-Fire Impulse (mJ/ Ω /5 ms)	8,0	8,0	8,0	8,0/detonator

PACKAGING

Length (m)	Case Weight (kg)*			Case Count**			Wire Configuration
	Cu 0,5	Cu 0,6	Fe 0,65	Cu 0,5	Cu 0,6	Fe 0,65	
2	13	15	15	500	500	500	Fold
2,5	14	17	17	500	500	500	Fold
3	16	19	19	500	500	500	Fold
3,5	18	17	21	500	400	500	Fold
4	16	16	17	400	350	350	Fold
5	14	15	17	300	250	300	Fold
6	14	16	17	250	250	250	Fold
9	12	15	15	150	150	150	Fold
12	15/8	18/9	19/10	150/60	150/60	150/60	Fold/Spoiled
15	13/9	15/11	15/11	100/60	100/60	100/60	Fold/Spoiled
20	13/11	15/13	16/14	75/60	75/60	75/60	Fold/Spoiled
25	12/13	15/16	16/16	60/60	60/60	60/60	Fold/Spoiled
30	14/15	18/18	18/19	60/60	60/60	60/60	Fold/Spoiled

*Case weight based on average values **For quantities of inner boxes divide case count by 5

STORAGE

Store in accordance with all applicable local, state, provincial and federal laws in temperatures between -30 and +40 °C.

SHELF LIFE

For optimum accuracy use within 2 years from date of manufacture under good storage conditions.

UN CLASSIFICATION

Shipping Name: Detonators, Electric for Blasting
Class & Division: 1.4B (1.4S at request)
UN Number: 0255 (0456)
CE Type: DED-U
Alternative Name: DED-S



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