

EDD[®] (Electronic Delay Detonator)

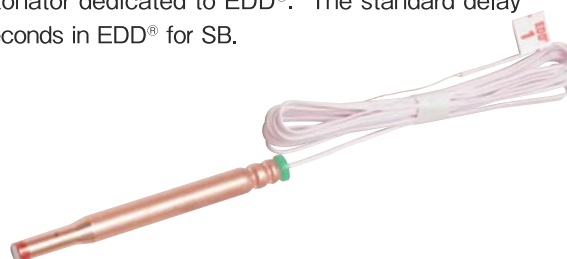
EDD[®] (Electronic Delay Detonator) is a high-performance electric detonator with an electric timer using IC as delay methods, enabling a highly accurate delay time and flexible time setting.

► Types of EDD[®]



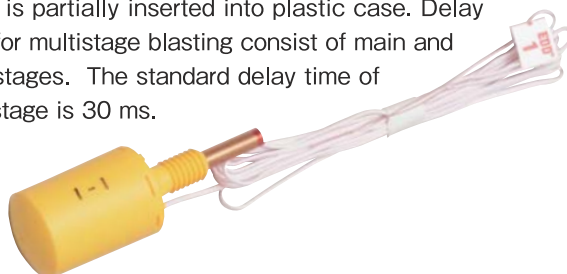
For surface blasting (A-BIOS method) / SB (Smooth Blasting)

This type of EDD[®] is a sealed metal case containing an electric energy storage capacitor, IC timer, and instantaneous electric detonator dedicated to EDD[®]. The standard delay time is 3 seconds in EDD[®] for SB.



For multistage blasting (A-MUP method)

This type of EDD[®] is a sealed plastic case containing an electric energy storage capacitor and IC timer. Electric detonator is partially inserted into plastic case. Delay numbers for multistage blasting consist of main and auxiliary stages. The standard delay time of auxiliary stage is 30 ms.



► Characteristic

- ① Any blast delay time between 100ms and 8196ms can be set by millisecond.
- ② The delay time accuracy is within ± 1 ms of the set blast delay time.
- ③ Combined use with the EDD[®] blast design software enables the high-degree controlled blasting that is unavailable from other detonators.

► Applications

1 Reduction of blasting vibration and low-frequency vibration

Large scale blasting and efficient cycle time are provided by reducing blasting vibration / low-frequency vibration using the principle of wave interference. Site diagnosis and blast design software are required (pay service).

2 Smooth blasting

High accuracy of simultaneous blasting brings a proper shape of excavation surface, enhances safety of the cavity in the ground since the natural ground is not damaged, and increases the efficiency of cycle time. Accordingly, EDD[®] is suited to the smooth blasting method for excavating tunnels with a large cross section and large cavities in the ground.

Package table

Brand name		Leg wire length(m)	Quantity per carton(pcs)	Small box(carton box)		Package size	
				Quantity per carton(pcs)	Number of cartons	Gross weight (kg)	Carton size D×W×H(mm)
EDD®	For surface blasting	4.5	250	25	10	14	335×560×125
		6.0	200	10	20	18	335×560×165
		7.5	100	10	10	11	335×560×125
		9.0	100	10	10	12	335×560×125
		13.5	100	10	10	16	335×560×125
	For SB	3.9	400	20	20	21	335×560×205
	For multistage blasting (main stage: 1 delay)	3.0	120	6	20	13	335×560×165
	For multistage blasting (main stage: 2-20 delays)	3.0	200	10	20	21	335×560×165

► Blasting machine for EDD®

Blasting machine dedicated to EDD®

Please use only for EDD® blasting.



Blasting machine for combined use with EDD®

Please use for instantaneous blasting with combined use of EDD® and an electric detonator.



EDD® checker

Please use for the determination of good / no good for each EDD®.



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