

# CDET OMEGA DUALDET

## COMBINATION OF DTHD AND STLD



**CDET OMEGA DUALDET** is a non-electric initiating device used in blasting, comprising of both DTHD and STLD in one set. Dualdet consists of one coil of shocktube, one end of which is crimped with DTHD and the other end is crimped with STLD. Thus Dualdet is useful for down the hole delay initiation and also surface initiation in the blast. Dualdet is useful in those mines where the drilling and charge loading patterns are fixed. This enables to reduce the waste of shock tube in the usage of DTHD and STLD separately. STLD is housed in a suitable connector (S-connector), which has a provision to connect 6 shock tubes for initiation. Each Dualdet has length indicating sticker and delay time indicating stickers for DTHD and STLD separately for easy identification and handling. The S-connectors are colour coded to indicate the delay timing. The delay detonator is of No.8 strength.

**CDET OMEGA DUALDET** provides unlimited delay periods and sequences to conduct large scale blasts. Dualdet is available as per the customer's requirement up to 50 meter lengths. The delay timings of Dualdet are combination of the following:

	Omega DTHD	Omega STLD
Delay Timings	200ms, 250ms, 400ms, 450ms	0ms, 17ms, 25ms, 42ms, 65ms, 100ms

**PACKING :** DUALDETs are first packed in a paper bag and the bags are then kept in a Fibre Board Box. 25-200 numbers of Dualdet are packed into a box depending on the length of the shock tube.

**CLASSIFICATION :** Indian Explosives Rules - Class 6, Division 3

U.N. No. & Stowage Category - 0360, 1.1B

### ADVANTAGES:

- Since STLD is used for surface hookup, it totally eliminates the airblast noise due to the primary blast on surface.
- It provides the necessary relief delay to reduce the back break and thereby provides a good free face for the next drilling operations.
- There is no disturbance of stemming column, no desensitization of explosive column, thereby higher explosive efficiency can be derived.
- It provides accurate delay per hole, improving the muckpile profile, fragmentation and cycle times for clearance of the blasted rock.
- True bottom initiation can be achieved.
- Ground vibrations can be controlled to a greater extent.
- It provides unlimited number of delays which is particularly helpful in large blasts.
- Suppression of airblast due to the full utilization of energy in true bottom initiation.
- The S-connector is user friendly and allows for easy onsite connections by the blaster.
- The leakage currents in conductive ore bodies and water holes will not cause any misfires
- Toe initiation results in generating greater and loose muck pile, reducing the cycle time in operation.
- Eliminates the risks in accidental initiation by stray currents, static charges and radio frequency signals.
- It eliminates the usage of detonating cord and/or cord relay on surface to provide the delay between the holes.

### SAFETY IN USE:

- Never hit the shock tube with heavy objects as it can cause disruption in the explosive core or discontinuity in the tube.
- If needed and when the number of tubes are less than three, the shock tube can be re-inserted into the S-connector for more firm grip.
- Never try to initiate the shock tube with flame as the shock tube can be initiated only with another detonator or detonating cord and not by flame.
- Please remember that one shock tube cannot initiate another shock tube.
- Never connect a detonating cord along with shock tubes in the same connector.
- Pull the shock tubes such that the S-connector is close to the mouth of the borehole.
- Never cut the sealed end since moisture or water ingress and cause misfires in initiation.
- Take the shock tubes of the DTH or from the next STLD and press them in S-connector for locking the tubes.

**DISCLAIMER :** The information given in this data sheet cannot possibly cover every application of the product nor every condition under which the product is used, the purchasers should make their own assessment to determine the suitability of the product and applicability for their particular purpose in the specific context. Explosive materials are dangerous and must be stored / handled as per approved regulations and safety procedures under competent supervision. The manufacturer does not make any warranty of any kind, expressed or implied, other than those implied mandatorily by State legislation. In no event shall the manufacturer be liable for consequential damages, expenses or losses. Products are in the process of continuous development and their specifications are subject to change without notice.

## CDET EXPLOSIVE INDUSTRIES PRIVATE LIMITED

(AN ISO 9001: 2000 COMPANY)

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