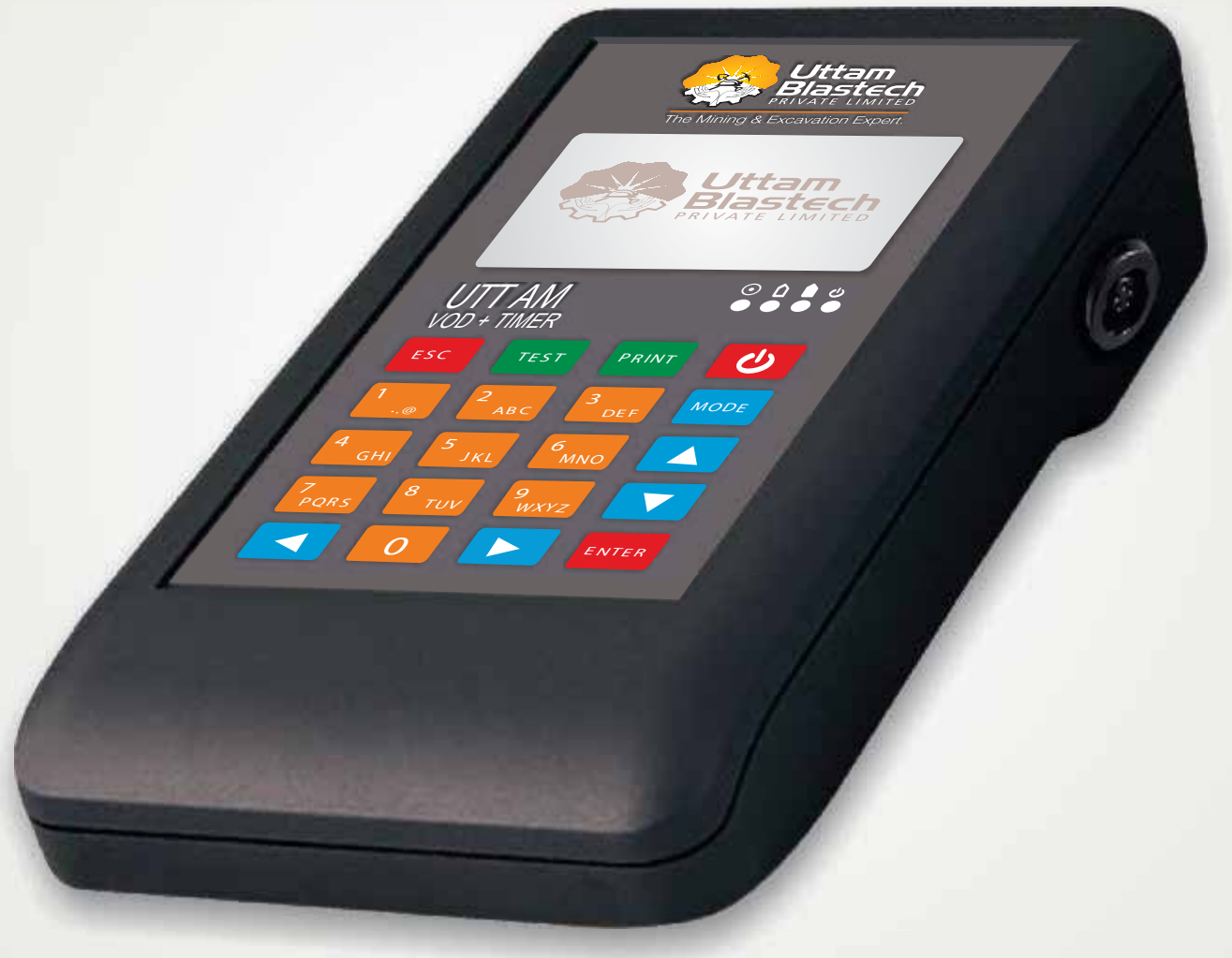
Uttam Blastech
PRIVATE LIMITED

The Mining & Excavation Expert.

DIGITAL VOD & DELAY TIMER



Flat No. 203, Pavani Annexe, # 8-2-276, Road No.02, Banjara hills, Hyderabad – 500034, Telangana
Phone: 040-23543669, +91 94901 63103, Email: contact@uttamblastech.com

WWW.UTTAMBLASTECH.COM

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Salient features:

- Dual function Timer
  - Measure the Velocity of Detonation (VOD) of an explosive cartridge or Detonating Fuse
  - Measure Delay Time of Cord Relays & Delay interval between two delay detonators

- Displays VOD in meters / sec and delay time in milliseconds
- Easy readable graphic display
- Has tactile keyboard for data input in the field
- User selectable probe distance
- Handy portable unit, weighs 500 grams, without charger and cables.
- Comes in an easy to carry sling bag.
- Protection against Dust and water splash (IP65 protection)
- Real time clock for recording date & time of testing.
- Add user data like Batch number, date, operator details etc. for each test in the field.
- Stores data of up to 15,000 events for transferring to computers
- Transfer data on to a PC with RS 232 cable.
- Prints data on a serial printer
- Reminds the operator when Calibration is due.
- Uses probes made from simple twisted single core wire (e.g. Detonator lead wire)
- Rechargeable Lithium Ion Battery
- Remote Transfer of Results (under Development)

Mode of operation :

- Uses normally open wire probes

VOD Measurement:

- Measuring the travel time of the detonation wave between two probes
- Computation of VOD using the travel time and the distance between the probes
- Time Measurement Range: 10 μSec to 350 μSec
  Resolution: 10 nSec
  Tolerance: ± 0.01%

Delay time Measurement:

- Measures the time interval between two detonations
- Time measurement Range: 0 to 1 Sec
  Resolution: 10 μSec
  Tolerance: ± 0.01%

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