HB-500

Scorpion Solid-State Electronic Blasting Machine

Mechanical	
Size	3"W x 2"D x 9"H (7.6cm W x 5.8cm D x 22.8cm H)
Weight	36 oz. (1.02kg)
Color	Yellow
Hardware	SS 'D' Rings, Kydex, Neck Strap
Case Features	Waterproof Electronics, Impact Resistant, Rugged design, Quick Connect Binding Posts (not pictured)
Power Source	4 - "D" Cell Batteries
Operating Temperatures	Operating: -20°F - 140°F Storage: -45°F - 180°F
Electrical	
Output Voltage	445 VDC
Output Energy	35.0 Joules
Firing Capacity	See Below
Connection	Quick Connect Binding Posts
Ready Indicator	HV Neon
Charge/Fire Cycle	10-12 seconds

Firing Capacity:

1 Series of 100   **2 Ohm Electric Detonators**

2 Series of 100   **2 Ohm Electric Detonators**

4 Series of   90   **2 Ohm Electric Detonators**

7 Series of   70   **2 Ohm Electric Detonators**

10 Series of   50   **2 Ohm Electric Detonators**

12 Series of   40   **2 Ohm Electric Detonators**

12 Series of   30   **2 Ohm Electric Detonators**

Operation:

To Test:

Always check blasting circuit with an appropriate for blasting test device prior to connecting to Blasting Machine. Before connecting to blasting circuit, depress rocker switch to the 'CHARGE' position until 'READY' light illuminates with a bright and even luminescence. Relax pressure on the 'CHARGE' position and quickly move rocker switch to the "DETONATE" position. 'READY' light should extinguish immediatlely.

When 'READY' light fails to illuminate within 20 seconds replace the 4 "D" cell batteries accessible through the battery cover located on the back of the machine.

To Fire:

Connect Blasting Machine to blasting circuit and repeat 'CHARGE' and 'DETONATE' sequence as in 'To Test.'

NEVER use the HB-500 as an alternate energy source on equipment for which it was not designed.

Never use a damaged or questionable machine. EIT Corporation repairs all units which it produces.

Output oscillographs are recorded for every machine. If a copy of these test traces is required please contact EIT Corporation.