

SUB BOTTOM PROFILING

CSP 3000 SEISMIC ENERGY SOURCE



- Cutting edge small volume / high power supply technology evolved from years of field use.
- The CSP3000 DOES NOT require heavy, bulky, additional capacitor banks. The CSP3000 is a light, compact, 'all in one' 3000 Joule power source.
- All CSP units contain our new, proprietary Variable Input Power Circuitry (AVIP) enabling the new breed of CSPs to operate from the smallest of generators.
- Reliability and security with global after sales service and support from the world's leading seismic power source manufacturer.
- All CSP units contain our proprietary pulse shaping circuitry for optimisation of high resolution data.
- All CSP units meet current EC emissions regulations enabling interference-free field and laboratory use.
- All settings externally selectable including voltage output power increments of 400, 600, 1000, 1200, 1600, 1800, 2200, 2400, 2800 & 3000 Joules.
- LED Fault Indicators display Overtemperature, Low Input Voltage and Capacitor Fault warnings.
- All CSP units come complete with Hardigg case and HV cable junction box as standard.
- The operator's choice for portable, easy-to-use 400 – 3000 Joule Sparker or Boomer applications.

- Dimensions** : 31 cms (7U) high x 48.25 cms wide x 62 cms deep (including handles).
- Weight** : 55 kg plus Hardigg Case.
- Mains Input** : 200-240 VAC. 115V Units available to order. 45-65Hz @ 3.0kVA. 3 pin connector. Contains AVIP soft start circuitry to reduce generator requirements.
- Voltage Output** : 3550 volts DC, 4 pin interlocked connector, Ignitron based discharge method.
- Output Energy** : Externally selectable in increments of 400, 600, 1000, 1200, 1600, 1800, 2200, 2400, 2800 & 3000 J.
- Charging Rate** : 1500J/second for continuous operation at 0 - 50°C ambient.
- Capacitance** : 448µf , 10⁸ shot life.
- Trigger** : +ve key opto isolated or closure set by front panel switch. BNC connector on front panel and remote.
- Repetition Rate** : 3 pps @ 400 Joules (or 1 pulse per 2 seconds at 3000 Joules).
- Earth** : M8 stainless steel stud on front panel.
- Internal Design** : A Modular approach allows for easy servicing and capacitor replacement. (However, for safety reasons, only factory trained technicians should attempt a repair).
- Safety Features** : Main electronic control circuits and secondary layer of safety circuitry. Specially designed HV connector. High speed dump resistors for high voltage components. Capacitor bleed resistors, Open circuit shutdown. Short circuit protected. Cover and connector interlocks. Remote control available for triggering and operation.

CSP UNITS ARE PART OF OUR INTERGRATED RANGE OF BOOMER AND SPARKER SYSTEMS



THE COMPLETE CSP 3000 SPARKER SYSTEM WITH DELPH SEISMIC MULTI CHANNEL PROCESSOR AND EPC1086 PRINTER.



THE COMPLETE CSP 3000 SPARKER SYSTEM WITH CODA DA200 PROCESSOR AND ALDEN 9315 CTP PRINTER.

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Due to continual product improvement these specifications may be subject to change without notice.