Sub Bottom Profiling

CSP 1500 Seismic Energy Source

- **Cutting edge power supply technology evolved from years of field use.**
- **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.**
- **Additional safety/protection features in all semiconductor discharge CSP units.**
- **Higher rated charger for better 'overhead' or more energy compared with CSP1000.**
- **All settings externally selectable including voltage output power increments of 100, 200, 300, 400, 500, 600, 800, 1000, 1200 & 1500 Joules.**
- **LED Fault Indicators display Overtemperature, Low Input Voltage and Capacitor Fault warnings.**
- **Solid state (semiconductor) discharge method.**
- **All CSP units come complete with Hardigg case and HV cable junction box as standard.**
- **Fully upgradeable 300 and 600 Joule variants also available.**
  The CSP1500's small volume and lightweight make it the operators' unit of choice.

TECHNICAL SPECIFICATION

Dimensions	**: 31 cms (7U) high x 48.25 cms wide x 62 cms depth (including handles).**
Weight	**: 48 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, Solid state semi-conductor discharge method.**
Output Energy	**: Externally selectable in increments of 100, 200, 300, 400, 500, 600, 800, 1000, 1200 & 1500J**
Charging Rate	**: 1500J/second for continuous operation at 0 - 50°c ambient.**
Capacitance	**: 240μf , 10^8 shot life.**
Trigger	**: +ve key opto isolated or closure set by front panel switch. BNC connector on front panel and remote.**
Repetition Rate	**: 6 pps maximum. To 5 pps @ 300 Joules (or 1 pps at 1500 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 1500 SPARKER SYSTEM WITH CODA DA50 PROCESSOR AND EPC1086 PRINTER

THE COMPLETE CSP 1500 SPARKER SYSTEM WITH CODA DA200 PROCESSOR AND ALDEN 9315 CTP PRINTER

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