

MONO-PULSER V2 SYSTEM

The MONO-PULSER V2 System incorporates the latest technology into a tried and true “Boomer” style workhorse that has operated around the world for several decades. Built simple and rugged, this system can be transported as excess baggage on most airlines. The MONO-PULSER plate transducer has a unique design which limits the “ringing” pulse characteristics common in other systems. The system shown below has a selectable power output of 175 / 350 Joules, which makes it ideal for Marine Engineering Surveys, Geohazard Surveys, Dredge Mining studies and other geological investigations. This system is compact and portable enough to be deployed quickly on small vessels of opportunity. Excellent, cost effective results can be obtained with the MONO-PULSER V2 and DR GEO laptop data acquisition software. The photo below shows the basic system.



Shown above is:

- Power / Drive Unit
- Trigger / Control Unit
- Catamaran with Plate Transducer
- 10 element 5 m receive array with integral pre-amp
- Dry-end receiver gain / filter unit

Specifications:***Power:***

110V/60 Hz - 220V/ 60 Hz - 240V/50 Hz operation - pre-configured

15 Amp Max

175 / 350 Joule field selectable output

Upgradable to 700 Joule operation with additional Capacitor Unit.

2.5 kW generator required.

Trigger / Control Unit:

Size: 400 X 400 X 450 mm instrument / shipping case

Weight: 28 Kg.

BNC Coax trigger input - 5 V nominal trigger pulse required - internal optic isolator supplied

Power Output selector switch - 175 - 350 J

2 metre Power Unit interface cable / connectors supplied.

Cooling Fan

On-Off Switch

Power - Drive Unit

Size: 400 X 400 X 450 mm instrument / shipping case

Weight: 31 Kg.

DC Voltage panel meter

Trigger Control Unit interface cable connectors

On - Off Switch

Transducer:

Size: 500 X500 X 80 mm

Weight: 14 Kg

Geospace cable connectors

Catamaran attachment facility

350 Joule Maximum

35 Metre cable w/ connectors supplied

Catamaran - Tow Sled

Dismantled - 1100 X 350 X 350 mm, 7 Kg. Shipping box/crate supplied

Aluminium 6061 / SS bolt construction

Heavy Duty Norwegian Buoys supplied for floatation

Simple assembly

Receive Array:

10 element 300 mm element spacing - 5 m overall length

Polyurethane 1inch ID heavy duty tubing

+20 dB integral pre-amp +/- 9V operation

40 metre heavy duty marine cable w/ connectors supplied

Dry End Receiver

2X 9V battery operation

400, 600, 800 Hz low-cut filters selectable

+/- 1V output signal voltage limiter selectable in/out

2 dB - 40 dB gain continuous gain