

AA252, AA301 Boomer Seismic Sound Source



Key features

- Stable pulse shape clarity with minimum reverberation
- Rugged mechanical design with weight kept to a minimum
- Supplied as individual product, or with a catamaran
- Supplied with RMK connectors and locking collars as standard
- AA252 forms part of the Inshore Boomer System, ideal for coastal surveys
- AA301 ideal for nearshore and shallow water surveys (up to 120m) depending on geology

Applications

- High and Ultra-High Resolution coastal geophysical surveys
- Single and multi-channel acquisition
- Suitable for freshwater or low salinity surveys
- Water depths of 5 to 1000m

AA252 and AA301 Overview

The AA252 and AA301 boomer plates are seismic sound sources that produce a sharp repeatable pulse from a floating position on the sea surface.

The AA252, deployed on either a robust CAT100 or CAT200 catamaran, is ideal for inshore surveys from small craft.

The AA301 is designed for higher power applications and can also be used as a variable frequency boomer when combined with a CSP energy source.

Technical Specification

PHYSICAL – AA252

Size	380 x 380mm
Weight air/water	18kg/10kg
Fixing centres	315mm2

ELECTRICAL INPUT –AA252

Recommended energy	50 - 200J/shot
Maximum energy	300J/shot
Average energy	600J/second
Operating voltage	3600 to 4000Vdc
Power supply	CSP-NP, CSP-Nv1200, CSP-Nv2400
Operating voltage	3600 to 4000Vdc

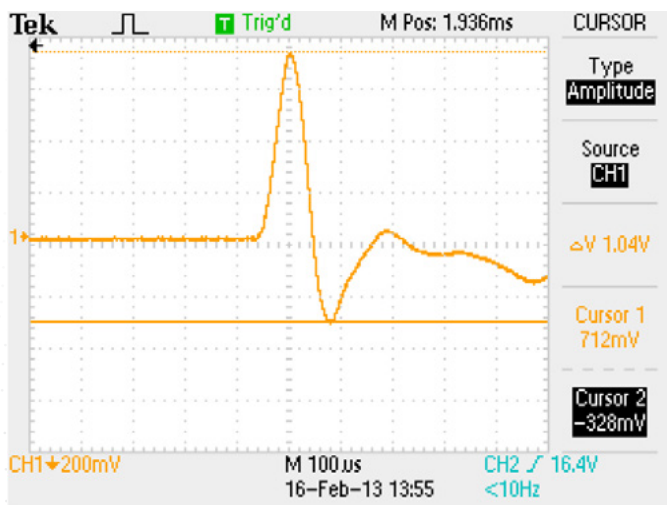
SOUND OUTPUT-AA252

Source level	Typically 212dB re 1 µPa at 1 metre with 200
Pulse length	120/150/180 µs at 50/100/200J
Reverberation	<10% of initial pulse

COMPATIBLE HV CABLE

AA252 and AA301	HVC 2000 Standard length 75m RMK 1/0 connectors complete with locking collars
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AA301 TYPICAL PULSE SIGNATURE AT 300J



AA301

Size	620 x 520mm
Weight air/water	25kg/14kg
Fixing centres	485mm x 440mm

AA301

Recommended energy	100 - 300J/shot
Maximum energy	350J/shot
Average energy	600J/second
Operating voltage	3600 to 4000Vdc
Average energy	CSP-NP, CSP-Nv1200, CSP-Nv2400
Operating voltage	3600 to 4000Vdc

AA301

Source level	Typically 215dB re 1µPa at 1 metre with 300J
Pulse length	200µs depending on energy setting of CSP
Reverberation	<10% of initial pulse

COMPATIBLE CATAMARAN

AA252	CAT 100: 940 (L) x 740 (W) x 500 (H) mm CAT 200: 1280 (L) x 915 (W) x 525 (H) mm
AA301	CAT 200: 1280 (L) x 915 (W) x 525 (H) mm CAT 300: 1700 (L) x 660 (W) x 490 (H) mm

