

## Reverspark 2000 Sparker catamaran

The **Reverspark** is the answer to the demand in non-wearing sparker tips. The objective is to reduce the operational downtime and facilitate the operators life.

The **reverse polarity** of that catamaran electrode has the advantage of improving the **resolution of the reflected signal**. The sparker signature is shortened, and the delay of the bubble collapse is also reduced to nothing.



- ⇒ ACOUSTIC SIGNATURE STABILITY
- ⇒ LONGEVITY
- ⇒ PORTABLE SPARKER CATAMARAN
- ⇒ NO TRIMMING
- ⇒ VERY HIGH RESOLUTION

### APPLICATIONS

- **Marine geosciences**
- **Oceanographic research**
- **Windfarms assesments**
- **Site surveys**
- **Offshore engineering**

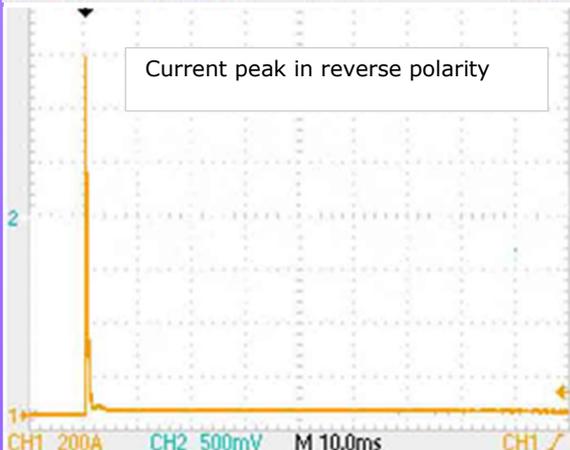
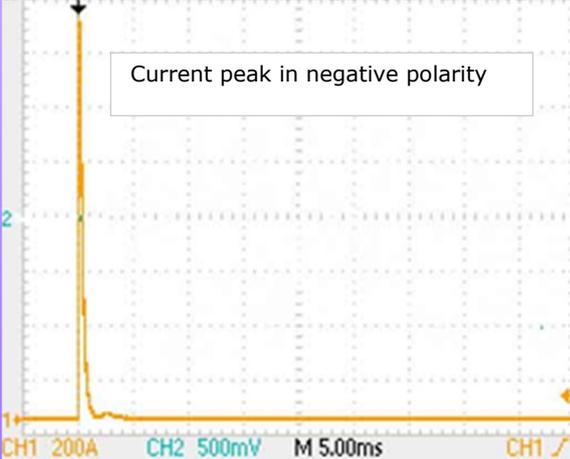
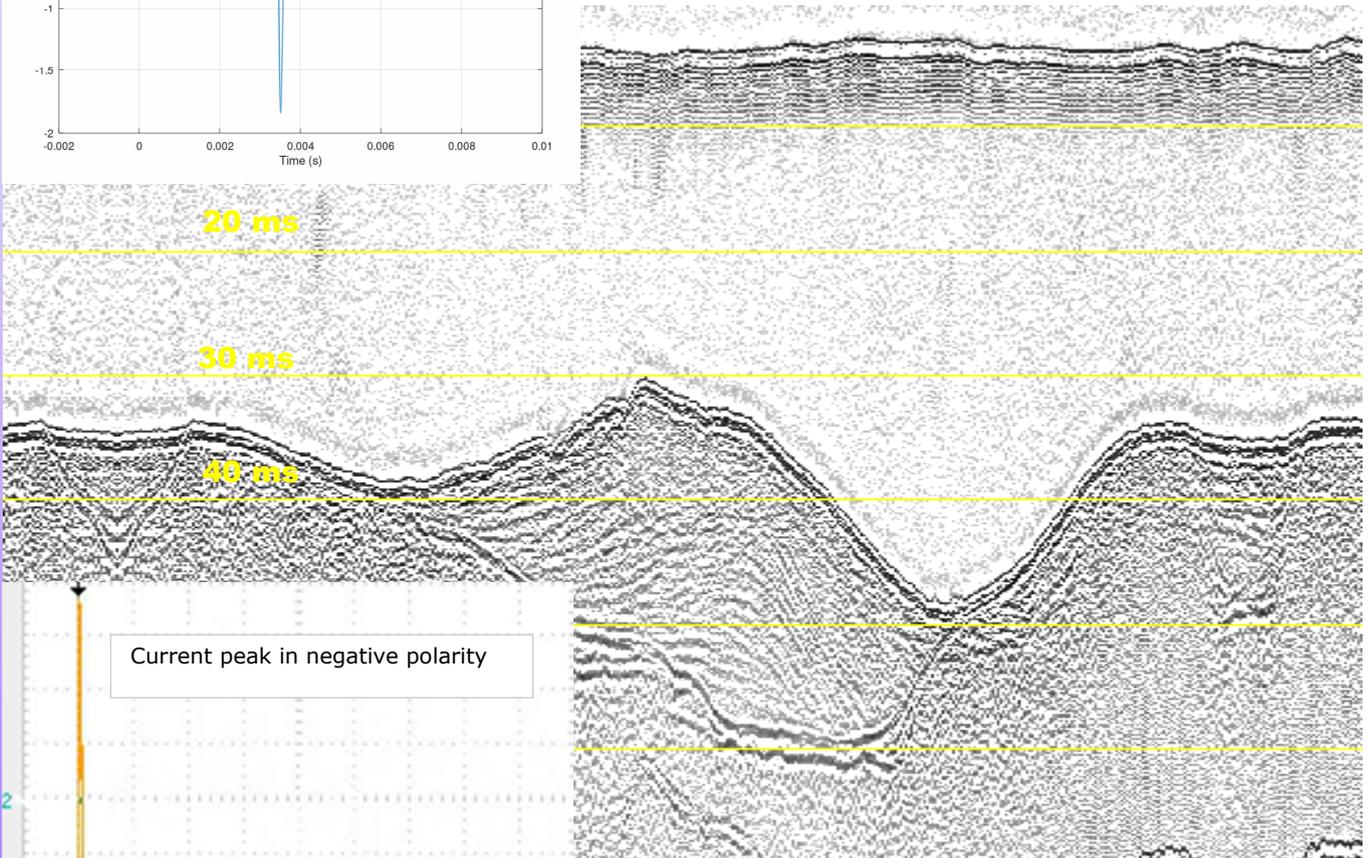
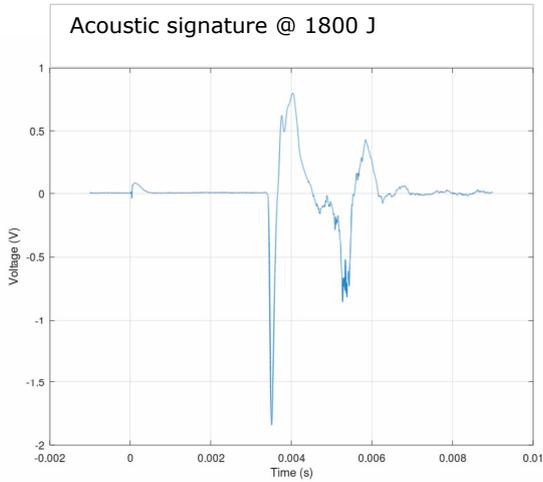
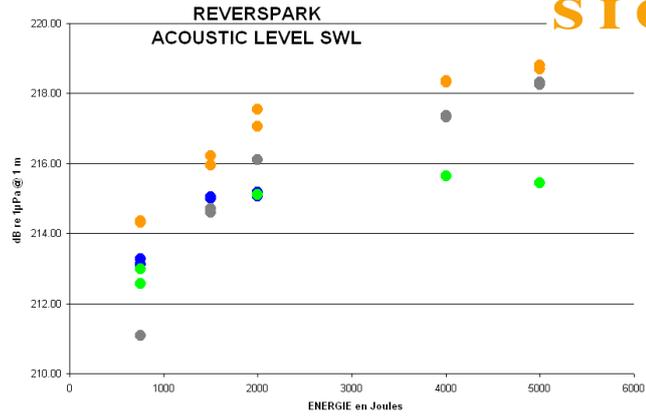
#### Reverspark catamaran

S.I.G. France  
11 ZA la Druge Chevaux  
Route de Campbon  
44130 BOUVRON  
Tel : +33 (0)240 56 31 16  
[www.marine-seismic-equipments.net](http://www.marine-seismic-equipments.net)  
[info@sigfrance.com](mailto:info@sigfrance.com)

### Reverspark 2000

Operating energy level :	1400 to 2000 joules
Frequency spectrum :	600-1000 Hz
Acoustic power level :	218 dB re 1µPa @ 1 m at 1800 J
Pulse duration :	1.2 ms @ 1800 J Immersed 35 cm
Dimensions :	1 m x 0.80 m x 0.60 m
Weight :	50 kg

# Reverspark 2000 Sparker catamaran



## Reverse polarity or negative electric pulse ?

For no wear off, the tips of the sparker must be the cathode.

The Reverspark has the anode underneath the bottom board, protected from the surrounding.

No need to be in negative polarity mode. The negative polarity mode is mandatory for the safe use of steel catamarans. It is the technical reason of the so-called negative Polarity Mode.

There is no current intensity difference between reverse polarity or negative polarity method. The negative electric pulse is equivalent to the positive electric pulse. The sharp pulse rise of the current makes the  $dI/dt$  increase.