

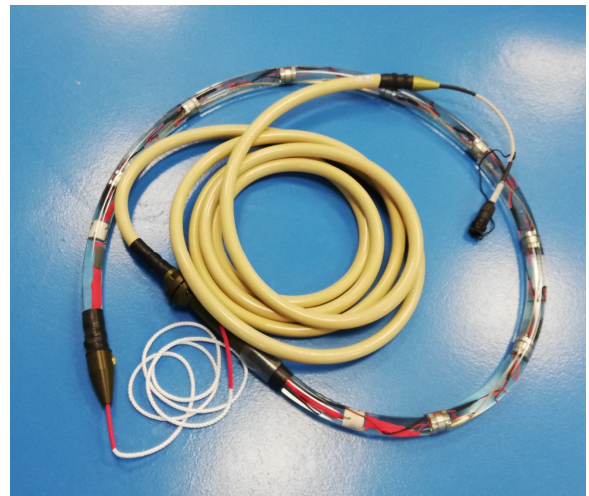


SIG16 STREAMERS FOR UHR SEISMICS

The SIG16 streamers are dedicated to high resolution seismics. The SIG16 are modular streamers of 1 or 2 channels in standard. Grouping the 2 channels is easily done on the sps-2 deck unit providing a 1+2 output. The channel 1+2 increases the length of the active section, and makes the SIG16 streamers the most modular analog streamers on the market.

Hydrophone spacings and active lengths are customizable according to the required specifications, or to the application of the customer.

The SIG 16 streamers are exported worldwide since 1970, and do not require a french export licence. Easily deployed by hand or small winch.



- ⇒ **No export licence on SIG16**
- ⇒ **Environment friendly, filled with inert oil**
- ⇒ **Easily replaceable preamplifier in head**
- ⇒ **Small diameter**
- ⇒ **Immersion adjusting valve**
- ⇒ **Adjustable the dynamics**

ADJUST THE DYNAMIC OF THE SIGNAL FROM streamer power supply sps-2 UNIT.

Increase gain of the preamplifier X2 or X3, or reduce Gain/2 in case of saturation.

SIG16 STREAMERS

S.I.G. France
11 P.A. La Druge Chevaux
44130 BOUVRON

Tel : +33 (0)240 56 31 16
www.marine-seismic-equipments.net
info@sigfrance.com

Applications

- ⇒ **High resolution seismics for shallow water surveys**
sparker signal 200-2.000 Hz to boomers -10.000 Hz
- ⇒ **or deep water investigations**
air gun signal 10-400 Hz



**DUAL-CHANNEL SIG 16.6.6.10
VERY SHALLOW TO SHALLOW WATER APPLICATION**

- ⇒ Application : boomer, sparker
- ⇒ Water column/depths for CH1 : 3-7 m, for CH2 : 20 m, addition CH1+2 : 30 m
- ⇒ 2 channels of 6 hydros, CH1+2 = 12 hydros
- ⇒ hydrophones : SIG 16
- ⇒ bandwidth : 120-1800 Hz
- ⇒ total length : 10 m

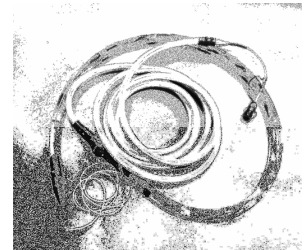
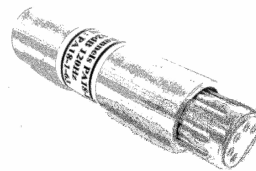
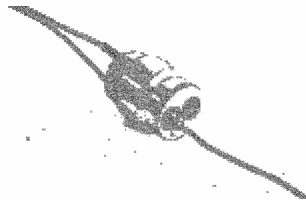
→10-20 m

**DUAL-CHANNEL SIG 16.6.8.12
CONTINENTAL SHELF APPLICATION**

- ⇒ Application : boomer, sparker
- ⇒ Water column/depths for CH1 : 3-7 m, for CH2 : 50 m, addition CH1+2 : 70 m
- ⇒ 2 channels of 6 hydros and 8 hydros, CH1+2 = 14 hydros
- ⇒ hydrophones : SIG 16
- ⇒ bandwidth : 120-1800 Hz
- ⇒ total length : 12 m

→50 m

→100 m



→150 m

**DUAL-CHANNEL SIG 16.12.16.38
DEEP WATER APPLICATION**

- ⇒ Application : sparker
- ⇒ Water column/depths for CH1 : 100 m, for CH2 : 250 m, addition CH1+2 : 600
- ⇒ 2 channels of 12 hydros and 16 hydros, CH1+2= 28 hydros
- ⇒ hydrophones : SIG 16
- ⇒ bandwidth : 60-1800 Hz
- ⇒ total length : 38 m

→500 m

→1000 m

→3000 m

→4000 m

TECHNICAL SPECIFICATIONS

Hydrophones:	SIG 16 or market available hydros
Number of channels:	SINGLE OR DUAL
Small diameter:	31 mm od
Density:	1.08 on standard
Type of tubing:	Polyurethane 1185A quality
Filling fluid:	Inert mineral oil
Tow cable :	25 to 150 m, PVC jacketted with immersion air valve
Preamplifier:	Single-ended : 14, 26 or 32 dB standard; or differential, depending on acquisition system requirement
Frequency response:	10 to 10.000 Hz, depending on configuration and hydrophone used.
Hydrophone group sensitivity :	-183 dB re 1V per μ Pa
Acceleration compensation:	Achieved using SIG 16 hydrophones