






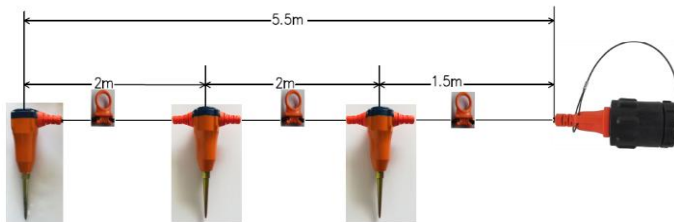
Уважаемые господа!

ООО «НОВЫЙ ВОСТОКГЕО» предлагает Вас рассмотреть информацию по одиночным геофонам, гидрофонам, и гидрофонам геофонам.

Наши производители готовы произвести геофоны по Вашим тех. требованиям.

PRODUCT CATALOG

-  SOLO geophone Element
-  Hydrophone series
-  Dual sensor



I. YF-SOLO geophone Element

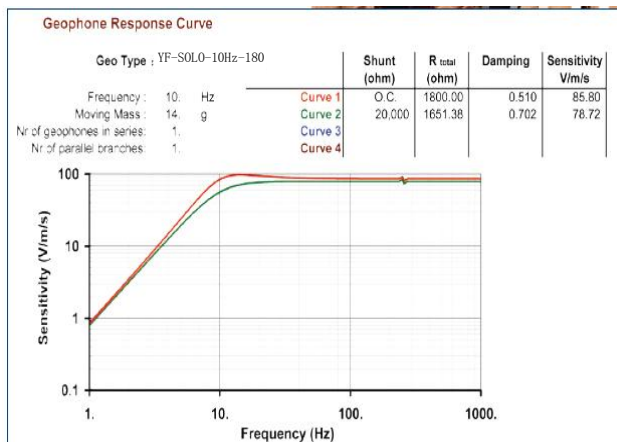
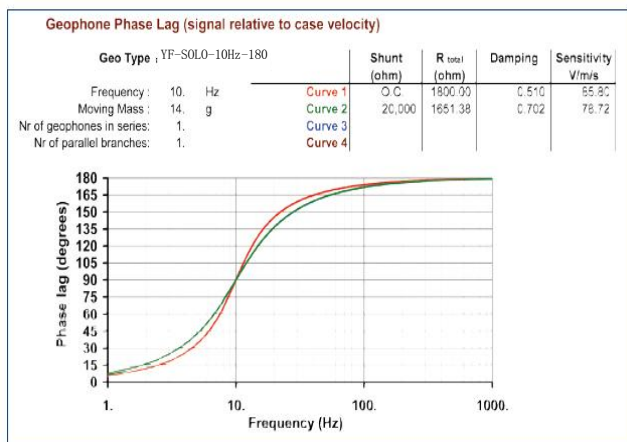
YF-SOLO-10Hz Geophone Element

High quality, reliable and favors field operation.
Suitable for 2D and 3D seismic.
Suitable for land transition zone marsh and shallow water environments with different cases.
3years limited warranty.



**Specifications (All parameters are specified at +25°C)
Технические параметры (все параметры определены при +25°C)**

Natural Frequency (Hz) / Собственная частота (Гц)	10 ± 3.5%
Typical spurious frequency (Hz) / Верхний предел (Гц)	≥240
Coil Resistance (ohm) / Сопротивление обмотки (ОМ)	1800 ± 3.5%
Open Circuit Intrinsic Voltage Sensitivity (v/m/s) / Незамкнутая чувствительность(v/m/s)	85.8V/m/s(2.18V/m/s)±3.5 %
Open Circuit Damping /Незамкнутый коэффициент затухания	0.48 – 0.54
Damping with 20KΩ	0.7
Distortion from Vertical to 10°Tilt	< 01.5% measured at 12Hz with 0.7 in/s p-p
Moving mass (g) / Вес обмотки (г)	14(0.49oz)
Maximum coil excursion p-p:	3.50 mm(0.14 in)
Diameter	27.0 mm (1.06 in)
Height	43.5 mm (1.71 in)
Weight	81 g (2.86 oz)
Operating temperature range (°C) / Температура рабочей среды (°C)	-40 — +90



2、 YF-SOLO-10Hz Geophone use situation

- YF-SOLO-10Hz single-point Geophone, Since 2013, more than 300,000 have been widely used only in North and South America exploration market by users of praise.
- YF-SOLO-10Hz single point geophone technical indicators with the United States GEOSPACE company's GS-ONE and DTCC company's DT-solo-10Hz same, the current use of a single point of exploration market geophones are also three products.
- YF-SOLO-10Hz single-point geophone max coil excursion of 3.5mm, must meet the conditions required for this is Occidental Petroleum, the excursion if the size is too small, when the blasting

vibration can lead to large coil touch top hit bottom, causing the data is not accurate. e weight hanging GEOSPACE, DTCC production of similar single-point geophone, the moving

- YF-SOLO-10Hz single-point moving mass geophone is 14g, which is the sam mass will reduce the emphasis on the quality of life of the leaf spring, affect the normal use of the geophone
- With the YF-SOLO-10Hz single-point geophone supporting peripheral retaining shell parts into two vertical line and the horizontal outlet, and applicable protective shell variety different environments to meet the construction needs of different environments and terrain.

We also introduced YF-SOLO-5Hz single point geophones, technical specifications and Sercel's SG-5 and DTCC's DT-SOLO-5Hz same, but did not get the promotion because the damage rate, BGP Geophysical, Occidental Petroleum in general to YF-SOLO-10Hz based.

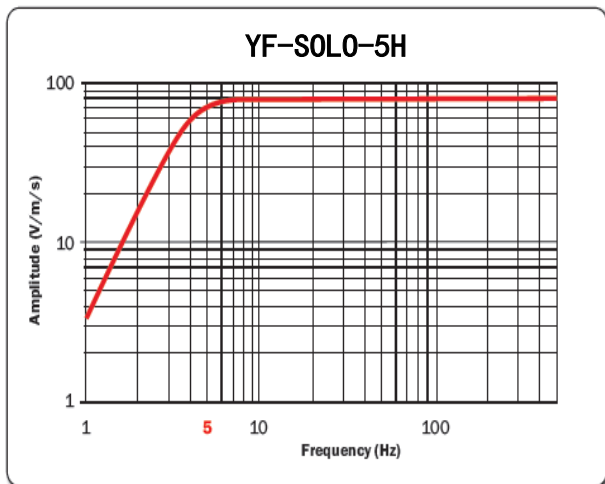
YF-SOLO-5Hz Geophone Element

YF-SOLO-5Hz is a new geophone featuring a high-sensitivity and a low natural frequency. This new sensor offers comparable output sensitivity to an array of geophones while providing lower frequency recording capabilities down to 5Hz. Especially designed for single sensor application, YF-SOLO-5Hz is particularly adapted for microseismic perations in combination with UNITE but also fully compatible with existing Sercel 428XL cable system.



**Specifications (All parameters are specified at +22°C)
Технические параметры (все параметры are
определены при +22°C)**

Frequency	
Natural Frequency (Hz) / Собственная частота (Гц)	5 ± 7.5%
Typical spurious frequency (Hz) / Верхний предел (Гц)	≥190
Distortion	
Distortion	≤0,1-0,2%
Max. Tilt Angle for Distortion Specification	10-15°
Damping	
Open Circuit Damping	0.6-0.7
Tolerance	± 7.5%
Coil Resistance	
Standard	1850ohm
Tolerance	± 5%
Physical	
Moving mass (g) / Вес обмотки (г)	22.7
Maximum coil excursion p.p:	3.0 mm
Diameter	27.0 mm (1.06 in)
Height	43.5 mm (1.71 in)
Weight	135 g (4.77 oz)
Operating temperature range (°C) / Температура рабочей среды(°C)	-50 — +90



YF-SOLO 3C

Features of our SOLO 3C

- The SOLO 3C geophone can either be a conventional flat (horizontal) 3C design with one vertical and two horizontal geophones, or it can be a spike (vertical) 3C, which improves the coupling to ground by adding ridges on the aluminum bottom shell.
- SOLO is high precision, low distortion and high sensitivity element. It also has a high spurious frequency and it is greater than 230Hz. Our SOLO has strong resistant to transverse interference, insures the high signal to noise ratio of geophone with pass band width of frequency.
- SOLO was designed to use the excellent rare earth composite magnets. It has very high transduction constant. The transduction constant of SOLO is 0.02 (metric), it has increased by 66% compared to 0.012 (metric) for most popular geophones. This means the SOLO has higher voltage sensitivity than any other geophone with the same coil resistance. That is to say, SOLO will provide better signal to noise ratio and will detect smaller signal than most popular geophones in practical application.

YF-SOLO-3C-10Hz (H) (P/N:611600200)

Specifications (all parameters are specified at + 25°C)

Natural Frequency (fn)	10Hz±3.5%
Spurious Frequency	≥230Hz
Coil Resistance	1800 ohm±5%
Open Circuit Intrinsic Voltage Sensitivity	85.8V/m/s (2.18 V/in/s) +5%, -3.5%
Open Circuit Damping	0.48-0.54
Damping with 20KΩ	0.7 TYPICAL
Distortion from Vertical to 10°Tilt	<0.15% measured at 12Hz with 0.7 in/s p-p
Moving Mass	14g (0.49oz)
Max. Coil Excursion p.p.	3.50mm (0.14in)
Diameter	27.0mm (1.06 in)
Height	43.5mm (1.71 in)
Weight	125g (4.42 oz)
Operating Temperature Range	-40°C~+90°C (-40°F~194°F)
Warranty excludes damage caused by high voltage and physical damage to the element case.	
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTIC.	



YF-SOLO-3C-10Hz (v) (P/N:611600100)

Specifications (all parameters are specified at + 25°C)

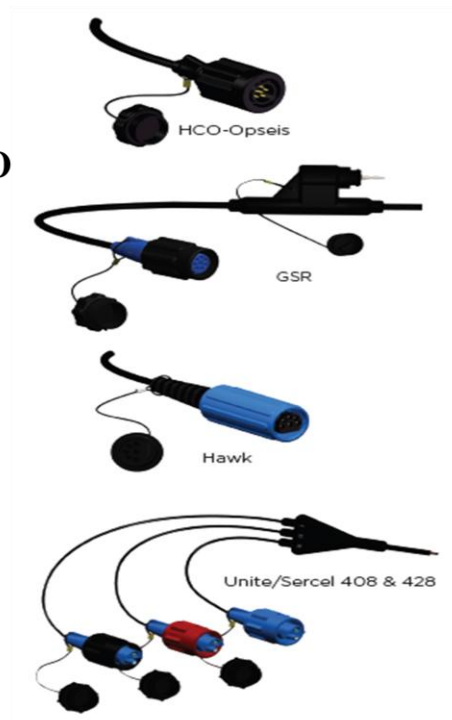
Three-component SOLO



Natural Frequency (fn)	10Hz±3.5%
Spurious Frequency	≥230Hz
Coil Resistance	1800 ohm±5%
Open Circuit Intrinsic Voltage	85.8V/m/s (2.18 V/in/s)
Sensitivity	+5%,-3.5%
Open Circuit Damping	0.48-0.54
Damping with 20KΩ	0.7 TYPICAL
Distortion from Vertical to 10°Tilt	<0.15% measured at 12Hz with 0.7 in/s p-p
Moving Mass	14g (0.49oz)
Max. Coil Excursion p.p.	3.50mm (0.14in)
Diameter	27.0mm (1.06 in)
Height	43.5mm (1.71 in)
Weight	125g (4.42 oz)
Operating Temperature Range	-40°C~+90°C (-40°F~194°F)
Warranty excludes damage caused by high voltage and physical damage to the element case.	
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTIC.	

Connector options for YF-SOLO

Names below belong to the manufacturer and are used for identification purposes only.



SOLO Swamp Shell



SOLO Land Shell



II . Hydrophones



Hydrophone Product Introduction

DT-25-11A mainly applied to prospect marine geology within swamps, rivers and transition zones. The unique design of case and it has a wider range of receiving frequency band and high sensitivity. It has adopted polyurethane to seal, corrosion resistance & resistant to wear and tear. The whole structure for cable and case molding, it also has special waterproof function. The characteristic are corrosion resistant and resistant to wear and tear etc. The DT-25-11A is transformer -coupled and has 8 piezoelectric crystals connected in an acceleration-canceling arrangement with each crystal operating in the high sensitivity bender mode. The operational depth can be 76m.

All parameters are specified at +25°C

Natural Frequency ($\pm 15\%$)	10Hz
Voltage Sensitivity ($\pm 1.5\text{dB}$)	11.2 volts/bar
Damping ($\pm 15\%$)	70%
DC Resistance ($\pm 10\%$)	160 ohm
Operating Temperature	0°C to 35°C
Operational Depth	0.3m-76m
Standard Cable Sizes	0.310 in (0.79cm)
Polarity	SEG
Dimensions (without outer case)	
Length	14.3 cm
Diameter	5.1 cm
Weight	370g (with one meter cable)