

Geophones and Hydrophones





PRODUCTS FEATURED

DT-SOLO 10Hz (HP301V)

DT-SOLO 10Hz (HP301H)

DT-SOLO 5Hz (HP305V)

DT-SOLO 5Hz (HP305H)

DT-SOLO OMNI

DT-HP102

DT-HP103

DT-HP104

DT-HP201

DT-HP202

DT-HP206V

DT-HP206H

DT-20DX

DT-20DX-4.5Hz

Hydrophone

Dual Sensor

Dynamic Technology Canada Corporation "DTCC" has become a world class leader in manufacturing of Geophysical equipment for Seismic Contractors Worldwide with corporate headquarters in Calgary, Canada and Beijing, China. DTCC's world class manufacturing facility in Lang Fang, Hebei, China built in 2007 is state of the art. We offer the best available equipment with high emphasis on producing quality products using the best materials. Our emphasis on quality is defined by our extensive quality control procedures and equipment to fulfill our client's strict quality requirements.

Our product ranges from Geophones, Geophone Strings available in Land, Marsh, 3C, Hydrophones, Dual Component for transition and marine seismic. Digital cables for Land, Marsh and Transition Zone for the most widely used recording systems. Leader wire and connectors of all types used in seismic acquisition.



www.dtcc.biz

International Sales

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Geophones and Hydrophones



Our capability to manufacture standard and custom built cables and connectors are extraordinary. Our capacity allows us to build over 1 million geophone elements and 500,000 geophone strings per year. We have ability to manufacture over 1 million geophysical connectors per year from standard to complete custom geophysical connectors. We have ability to manufacture 9 million meters of digital seismic cables for land, transition and marine applications for the most widely used systems.

We boast a 60,000 sq/ft state of the art R&D center in Shenzhen, China that includes over 20 in house engineers, an in house machine shop that allows us to rapidly produce both proto type and production tooling in order to respond quickly to customer demands. In house injection molding capability that allows us to test and perfect tooling before it is put into production.

All of these features allow DTCC to be a leader in the manufacturing of seismic equipment used by geophysical contractors worldwide. Together with our experienced sales force we are able to provide our customers with highest quality and most cost effective product in an expedient matter and this keeps DTCC customers coming back.



DT-SOLO 10Hz (HP301V) (P/N:611600100)



Geophone Element

High quality, reliable and cost effective

3 years limited warranty

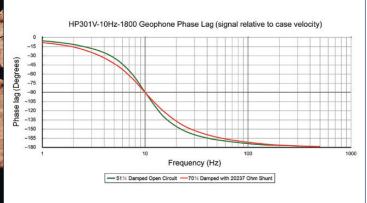
2-D and 3-D seismic application

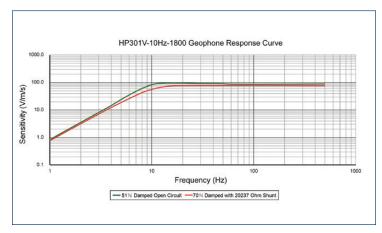
Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications

(All parameters are specified at +25° C in the vertical position unless otherwise stated.)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 3.5%
	Spurious	> 240 Hz
Distortion	Distortion	< 0.1%
	Max. Tilt Angle for Distortion Specification	10°
	Distortion from Vertical to 20° Tilt	< 0.15% measured at 12 Hz with 0.7 in/s p-p
Damping	Open Circuit Damping	0.48 - 0.54
	Damping	0.7 TYP. with 20 KΩ
Coil Resistance	Standard	1800 ohm
	Tolerance	± 3.5%
Sensitivity	Open Circuit Intrinsic Voltage Sensitivity	85.8 V/m/s (2.18 V/in/s)
	Tolerance	± 3.5%
Physical	Moving Mass	14 g (0.49 oz)
Characteristics	Max. Coil Excursion p.p.	3.50 mm (0.138 in)
	Diameter	30.2 mm (1.19 in)
	Height	39.9 mm (1.57 in)
	Weight	130 g (4.6 oz)
	Operating Temperature Range	- 40° C ~ + 90° C





Geophone Element

High quality, reliable and cost effective

3 years limited warranty

2-D and 3-D seismic application

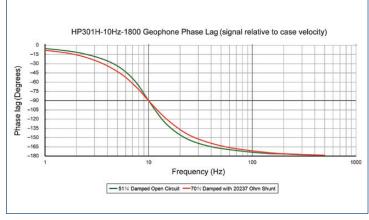
Suitable for land, transition zone, marsh and shallow water environments with different cases

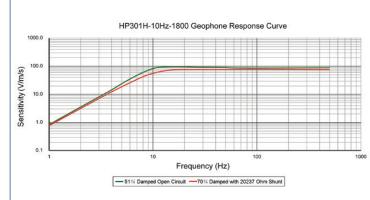
Specifications

(All parameters are specified at +25° C in the horizontal position unless otherwise stated.)

Frequency	Natural Frequency (Fn)	10 Hz		
	Tolerance	± 3.5%		
	Spurious	> 240 Hz		
Distortion	Distortion	< 0.1%		
	Distortion from Horizontal to 3° Tilt	< 0.15% measured at 12 Hz with 0.7 in/s p-p		
Damping	Open Circuit Damping	0.48 - 0.54		
	Damping	0.7 TYP. with 20 KΩ		
Coil Resistance	Standard	1800 ohm		
	Tolerance	± 5%		
Sensitivity	Open Circuit Intrinsic Voltage Sensitivity	85.8 V/m/s (2.18 V/in/s)		
	Tolerance	+5%, -3.5%		
Physical	Moving Mass	14 g (0.49 oz)		
Characteristics	Max. Coil Excursion p.p.	3.50 mm (0.138 in)		
	Diameter	30.2 mm (1.19 in)		
	Height	39.9 mm (1.57 in)		
	Weight	130 g (4.6 oz)		
	Operating Temperature Range	- 40° C ~ + 90° C		







DT-SOLO 5Hz (HP305V) (P/N:612200100)



Geophone Element

High quality, reliable and cost effective

1 year limited warranty

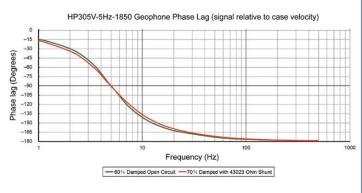
2-D and 3-D seismic application

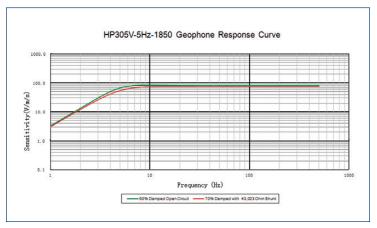
Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications

(All parameters are specified at +22° C in the vertical position unless otherwise stated.)

Frequency	Natural Frequency (Fn)	5 Hz
,	Tolerance	± 7.5%
		= 7.570 > 170 Hz
	Spurious	> 170 Hz
Distortion	Distortion	<0.1%
	Tilt	0° ~ 10°
	Distortion Measurement Frequency	12 Hz
Damping	Open Circuit Damping	0.6
	Tolerance	± 7.5%
Coil Resistance	Standard	1850 ohm
	Tolerance	± 5%
Sensitivity	Open Circuit Intrinsic Voltage Sensitivity	80 V/m/s (2.03 V/in/s)
	Tolerance	± 5%
Physical	Moving Mass	22.7 g (0.801 oz)
Characteristics	Max. Coil Excursion p.p.	3.0 mm (0.118 in)
	Diameter	30.5 mm (1.20 in)
	Height	40.7 mm (1.60 in)
	Weight	138 g (4.87 oz)





DT-SOLO 5Hz (HP305H) (P/N:612200200)

Geophone Element

High quality, reliable and cost effective

1 year limited warranty

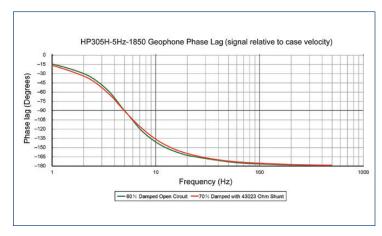
2-D and 3-D seismic application

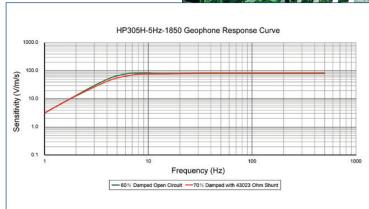
Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications

(All parameters are specified at +22° C in the horizontal position unless otherwise stated.)

Frequency	Natural Frequency (Fn)	5 Hz		
	Tolerance	± 7.5%		
	Spurious	> 150 Hz		
Distortion	Distortion	< 0.1%		
	Distortion from Horizontal to 3° Tilt	< 0.15% Measured at 12 Hz with 0.7 in/s p-p		
Damping	Open Circuit Damping	0.6		
	Tolerance	± 7.5%		
Coil Resistance	Standard	1850 ohm		
	Tolerance	± 5%		
Sensitivity	Open Circuit Intrinsic Voltage Sensitivity	80 V/m/s (2.03 V/in/s)		
	Tolerance	± 5%		
Physical	Moving Mass	22.7 g (0.801 oz)		
Characteristics	Max. Coil Excursion p.p.	3.0 mm (0.118 in)		
	Diameter	30.5 mm (1.20 in)		
	Height	40.7 mm (1.60 in)		
	Weight	138 g (4.87 oz)		
	Operating Temperature Range	- 40° C ~ + 80° C		







DT-SOLO OMNI (HP315) (P/N:612600000)



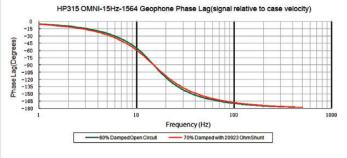
Geophone Element

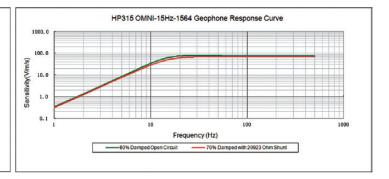
High quality, reliable and cost effective 2-D and 3-D seismic application Suitable for multi-component, high resolution seismic exploration

Specifications

(All parameters are specified at 25° C.)

Frequency	Natural Frequency (Fn)	15 Hz
	Tolerance	+ 10%, - 5%
	Spurious	> 240 Hz
Distortion	Distortion	< 0.2% (15 Hz with 0.2 in/s p-p) < 0.3% (15 Hz with 0.7 in/s p-p)
	Tilt	Horizontal to ± 90°
Damping	Open Circuit Damping	0.6
	Tolerance	± 10%
	Damping	0.70 TYP. with 20 KΩ
Coil Resistance	Standard	1564 ohm
	Tolerance	± 5%
Sensitivity	Tolerance Open Circuit Intrinsic Voltage Sensitivity	± 5% 74.8 V/m/s (1.9 V/in/s)
Sensitivity		
Physical	Open Circuit Intrinsic Voltage Sensitivity	74.8 V/m/s (1.9 V/in/s)
	Open Circuit Intrinsic Voltage Sensitivity Tolerance	74.8 V/m/s (1.9 V/in/s) + 5%, - 10%
Physical	Open Circuit Intrinsic Voltage Sensitivity Tolerance Moving Mass	74.8 V/m/s (1.9 V/in/s) + 5%, - 10% 13.2 g (0.47 oz)
Physical	Open Circuit Intrinsic Voltage Sensitivity Tolerance Moving Mass Max. Coil Excursion p-p	74.8 V/m/s (1.9 V/in/s) + 5%, - 10% 13.2 g (0.47 oz) 4.06 mm (0.16 in)
Physical	Open Circuit Intrinsic Voltage Sensitivity Tolerance Moving Mass Max. Coil Excursion p-p Min. Coil Excursion p-p	74.8 V/m/s (1.9 V/in/s) + 5%, - 10% 13.2 g (0.47 oz) 4.06 mm (0.16 in) 1.02 mm (0.04 in)
Physical	Open Circuit Intrinsic Voltage Sensitivity Tolerance Moving Mass Max. Coil Excursion p-p Min. Coil Excursion p-p Diameter	74.8 V/m/s (1.9 V/in/s) + 5%, - 10% 13.2 g (0.47 oz) 4.06 mm (0.16 in) 1.02 mm (0.04 in) 30.5 mm (1.20 in)





High Precision, Low Distortion Geophone Element

Low distortion and close tolerance geophone High quality, reliable and cost effective

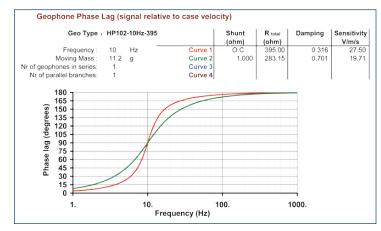
3 years limited warranty

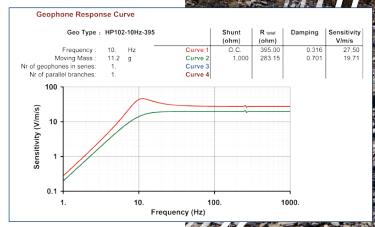
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

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

-		
Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 2.5%
	Max. Tilt Angle for Specified (Fn)	20°
	Typical Spurious Frequency	>250 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.10%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	10°
	Typical Distortion (string of 12 geophones in series damped 0.70, measured at 12 Hz)	≤0.03%
Damping	Typical Open Circuit Damping	0.316
	Damping Calibration-Shunt Resistance	1,000 ohm
	Damping with Calibration-Shunt	0.7
	Tolerance with Calibration-Shunt	± 2.5%
Coil Resistance	Standard	395 ohm
	Tolerance	± 2.5%
Sensitivity	Sensitivity without Shunt Resistor	27.5 V/m/s (0.698 V/in/s)
	Sensitivity with 1000 ohm Shunt Resistor	19.7 V/m/s (0.500 V/in/s)
	Tolerance	± 2.5%
Physical	Moving Mass	11.2 g (0.395 oz)
Characteristics	Maximum Coil Excursion p.p.	1.52 mm (0.060 in)
	Diameter	25.4 mm (1 in)
	Height	33.0 mm (1.30 in)
	Weight	86 g (3.03 oz)
	Operating Temperature Range	-40° C to +100° C







High Precision, Low Distortion Geophone Element

Low distortion and close tolerance geophone

High quality, reliable and cost effective

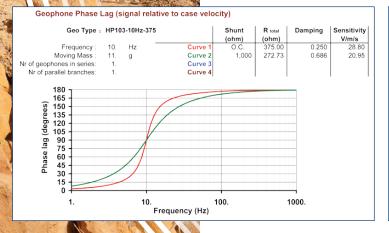
3 years limited warranty

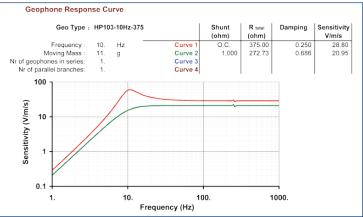
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 20° C)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 2.5%
	Max. Tilt Angle for Specified (Fn)	10°
	Typical Spurious Frequency	>240 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.10%
	Distortion Measurement Frequency	12 Hz
	Tilt Angle for Distortion Specification	10°
	Typical Distortion (string of 12 geophones in series, measured at 12 Hz)	≤0.03%
Damping	Typical Open Circuit Damping	0.25
	Damping with Calibration-Shunt 1,000 ohm	0.686
	Tolerance with Calibration-Shunt	+5% - 0%
Coil Resistance	Standard	375 ohm
	Tolerance	± 2.5%
Sensitivity	Sensitivity	28.8 V/m/s (0.73 V/in/s)
	Sensitivity with Shunt 1,339 ohm	22.5 V/m/s
	Sensitivity with Shunt 1,000 ohm	20.9 V/m/s
	Tolerance	± 2.5%
Physical	Moving Mass	11 g (0.38 oz)
Characteristics	Maximum Coil Excursion p.p.	2 mm (0.08 in)
	Diameter	25.4 mm (1 in)
	Height	32.0 mm (1.26 in)
	Weight	85 g (3.0 oz)
	Operating Temperature Range	-40° C to +100° C





Geophone Element

High quality, reliable and cost effective

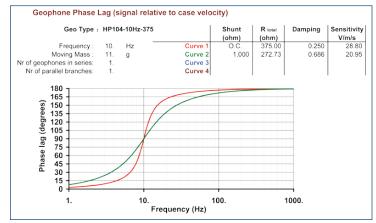
3 years limited warranty

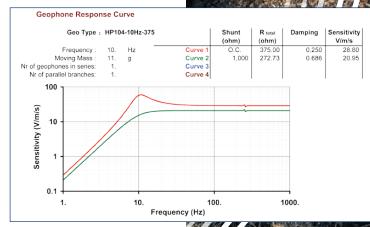
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 20° C)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 5%
	Max. Tilt Angle for Specified (Fn)	10°
	Typical Spurious Frequency	>240 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.2%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	10°
Damping	Typical Open Circuit Damping	0.25
	Damping with Calibration-Shunt 1,000 ohm	0.686
	Tolerance with Calibration-Shunt	± 5%
Coil Resistance	Standard	375 ohm
	Tolerance	± 5%
Sensitivity	Sensitivity	28.8 V/m/s (0.73 V/in/s)
	Sensitivity with Shunt 1,000 ohm	20.9 V/m/s
	Tolerance	± 5%
Physical	Moving Mass	11 g (0.38 oz)
Characteristics	Maximum Coil Excursion p.p.	2 mm (0.08 in)
	Diameter	25.4 mm (1 in)
	Height	32.0 mm (1.26 in)
	Weight	85 g (3.0 oz)
	Operating Temperature Range	-40° C to +100° C







DT-HP201 (P/N:611300100)



Geophone Element

High quality, reliable and cost effective

3 years limited warranty

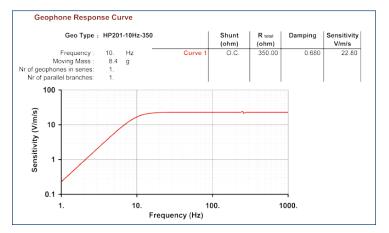
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 20° C)

_		
Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 2.5%
	Max. Tilt Angle for Specified (Fn)	15°
	Typical Spurious Frequency	>240 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.075%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	15°
Damping	Typical Open Circuit Damping	0.68
	Tolerance	± 5%
Coil Resistance	Standard	350 ohm
	Tolerance	± 3.5%
Sensitivity	Sensitivity	22.8 V/m/s
	Tolerance	± 2.5%
Physical	Moving Mass	8.4 g
Characteristics	Maximum Coil Excursion p.p.	1.78 mm
	Diameter	27.4 mm
		00.45
	Height	30.15 mm
	Height Weight	30.15 mm 78 g
	•	

Geophone Phase I	Lag (sigr	nal relative to	case veloc	ity)			
Geo Type :	HP201-1	0Hz-350		Shunt (ohm)	R total (ohm)	Damping	Sensitivity V/m/s
Frequency: Moving Mass: Nr of geophones in series: Nr of parallel branches:	10. H 8.4 g 1. 1.	iz	Curve 1	O.C.	350.00	0.680	22.80
180 165 165 150 150 105 105 105 105 105 105 105 10							
1.		10. Frequer		00.	1	000.	



Geophone Element

High quality, reliable and cost effective

2-D and 3-D seismic application

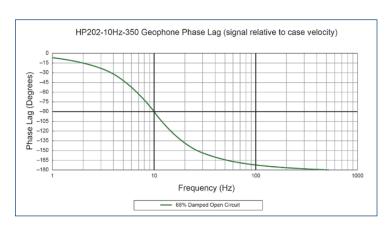
3 years limited warranty

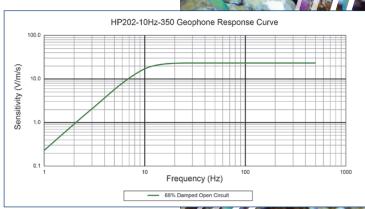
Suitable for multi-component, high resolution seismic exploration

Specifications

(All parameters are specified at 20° C.)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 2.5%
	Max. Tilt Angle for Specified (Fn)	15°
	Typical Spurious Frequency	> 260 Hz
Distortion	Distortion with 0.7 in/s p-p Coil to Case Velocity	< 0.075%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	15°
Damping	Typical Open Circuit Damping	0.68
	Tolerance	± 5%
Coil Resistance	Standard	350 ohm
	Tolerance	± 2.5%
Sensitivity	Sensitivity	22.8 V/m/s
	Tolerance	± 2.5%
Physical	Moving Mass	8.4 g (0.3 oz)
Characteristics	Max. Coil Excursion p-p	1.78 mm (0.07 in)
	Diameter	25.4 mm (1.0 in)
	Height	32 mm (1.26 in)
	Weight	73 g (2.57 oz)
	Operating Temperature Range	- 40° C ~ + 90° C







DT-HP206V-4.5Hz-375 (P/N:611500100)



Geophone Element

High quality, reliable and cost effective

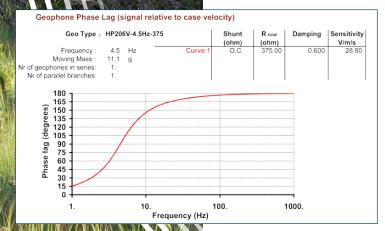
1 year limited warranty

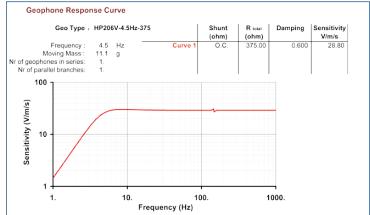
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 20° C)

Frequency	Natural Frequency (Fn)	4.5 Hz
	Tolerance	± 0.5 Hz
	Max. Tilt Angle for Specified (Fn)	0°
	Typical Spurious Frequency	>140 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	≤0.2%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	0°
Damping	Typical Open Circuit Damping	0.6
	Tolerance	± 5%
Coil Resistance	Standard	375 ohm
	Tolerance	± 5%
Sensitivity	Sensitivity	28.8 V/m/s
	Tolerance	± 5%
	$R_t B_c F_n$ (ohm Hz)	6000
Physical	Moving Mass	11.1 g
Characteristics	Maximum Coil Excursion p.p.	4.0 mm
	Diameter	25.4 mm
	Height	36.0 mm
	Weight	81 g
	Operating Temperature Range	-40° C ~ +100° C





Geophone Element

High quality, reliable and cost effective

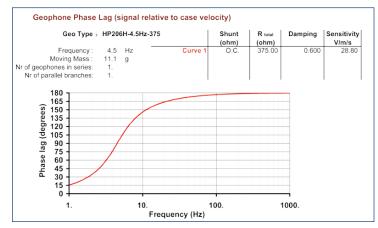
1 year limited warranty

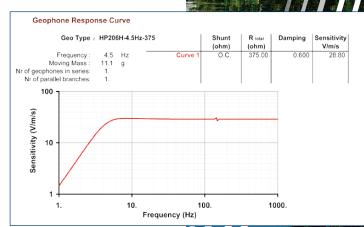
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 20° C)

Specifications (an parameters are specified at 1.20 c)						
Frequency	Natural Frequency (Fn)	4.5 Hz				
	Tolerance	± 0.5 Hz				
	Max. Tilt Angle for Specified (Fn)	0°				
	Typical Spurious Frequency	>140 Hz				
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	≤0.2%				
	Distortion Measurement Frequency	12 Hz				
	Max. Tilt Angle for Distortion Specification	0°				
Damping	Typical Open Circuit Damping	0.6				
	Tolerance	± 5%				
Coil Resistance	Standard	375 ohm				
	Tolerance	± 5%				
Sensitivity	Sensitivity	28.8 V/m/s				
	Tolerance	± 5%				
	$R_t B_c F_n$ (ohm Hz)	6000				
Physical	Moving Mass	11.1 g				
Characteristics	Maximum Coil Excursion p.p.	4.0 mm				
	Diameter	25.4 mm				
	Height	36.0 mm				
	Weight	81 g				
	Operating Temperature Range	-40° C ~ +100° C				







Geophone Element

High quality, reliable and cost effective

3 years limited warranty

2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

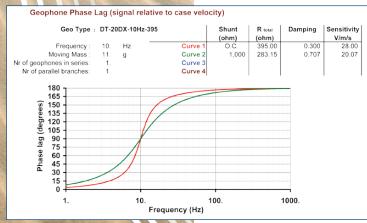
Specifications (all parameters are specified at + 22° C)

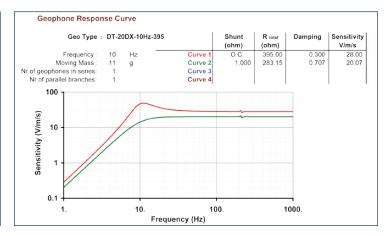
P/N	610100100	610200100	610300100	610400000	610600000	610700000	
Туре	20DX-8 Hz	20DX-10 Hz	20DX-14 Hz	20DX-28 Hz	20DX-35 Hz	20DX-40 Hz	
Natural Frequency (Hz)	8 ± 5%	10 ± 5%	14 ± 5%	28 ± 5%	$35 \pm 5\%$	40 ± 5%	
Open Circuit Damping	0.38	0.30	0.22	0.27	0.39	0.37	
Shunt Resistor: Damping - 1k ohm	0.71 ± 5%	0.70 ± 5%	0.51 ± 5%	0.552 ± 5%	<u> </u>		
Damping - 1500 ohm	_	_	_	_	0.612 ± 5%	0.576 ± 5%	
Open Circuit Intrinsic Voltage Sensitivity (V/m/s)	28	28	28	39	41	42	
Sensitivity with Shunt Resistor (V/m/s)	23 ± 5%	20 ± 5%	20.1 ± 5%	28 ± 5%	29.6 ± 5%	30.4 ± 5%	
Coil Resistance (0hm)	$395 \pm 5\%$	$395 \pm 5\%$	395 ± 5%	$395 \pm 5\%$	575 ± 5%	575 ± 5%	
Harmonic Distortion (%)	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Typical Spurious Frequency (Hz)	>180	>200	>240	>350	>350 >350 >380		
Moving Mass (g)	11				8.2	8.2	
Typical Case to Coil Motion (p-p) (mm)	1.5 (р-р)						
Allowable Tilt	20°	20°	20°	90°	90°	90°	
Unit Diameter (mm)	25.4 27.0						
Unit Height (mm)	33.3						
Unit Mass (g)		86		95	97	95	
Operating Temperature (°C)	-40° C to +100° C -40° C to +70° C				-40° C to +100° C		

Warranty excludes damage caused by high voltage and physical damage to the element case.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

If you would like to receive any of the other Geophone Phase or Response curve please contact sales.





Low Frequency Geophone Element

High quality, reliable and cost effective

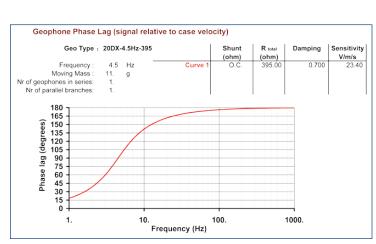
1 year limited warranty

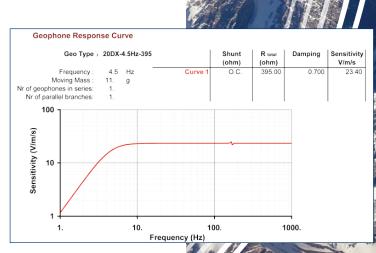
2-D and 3-D seismic application

Suitable for land, transition zone, marsh and shallow water environments with different cases

Specifications (all parameters are specified at + 22° C)

_				
Frequency	Natural Frequency (Fn)	4.5 Hz		
	Tolerance	± 0.5 Hz		
	Max. Tilt Angle for Specified (Fn)	0°		
	Typical Spurious Frequency	>160 Hz		
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.3%		
	Distortion Measurement Frequency	12 Hz		
	Max. Tilt Angle for Distortion Specification	0°		
Damping	Typical Open Circuit Damping	0.7		
	Tolerance	± 10%		
Coil Resistance	Standard	395 ohm		
	Tolerance	± 5%		
Sensitivity	Sensitivity	23.4 V/m/s (0.594 V/in/s)		
	Tolerance	± 10%		
Physical	Moving Mass	11 g (0.395 oz)		
Characteristics	Maximum Coil Excursion p.p.	1.5 mm (0.060 in)		
	Diameter	25.4 mm (1 in)		
	Height	33.0 mm (1.26 in)		
	Weight	89 g (3.14 oz)		
	_			
	Operating Temperature Range	-40° C to +100° C		









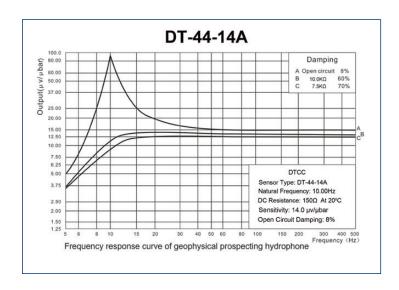
Pressure Sensitive Detector for Geophysical Exploration

High quality, reliable sensor technology, and cost effective 1 year limited warranty

2-D and 3-D seismic application

Suitable for transition zone, marsh and shallow water operations

Natural Frequency (±15 %)	10 Hz				
Voltage Sensitivity (±1.5 dB)	14 volts/bar				
DC Resistance (±10%)	150 ohms				
Operating Temperature	0°C to 35°C				
Operational Depth	0.3 - 75m				
Standard Cable Sizes	0.310 in (0.79 cm)				
Polarity	SEG				
Dimensions (without outer case)					
Length	12.4 cm				
Diameter	5.3 cm				
Weight	400 g (with one meter cable)				



DT-25-11A (P/N:611700100) and DT-25-14A (P/N:611700200)

Pressure Sensitive Detector for Geophysical Exploration

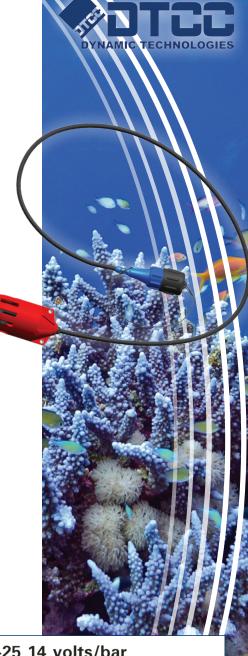
High quality, reliable sensor technology, and cost effective

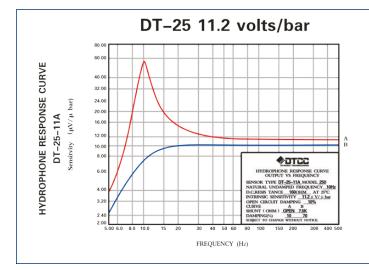
1 year limited warranty

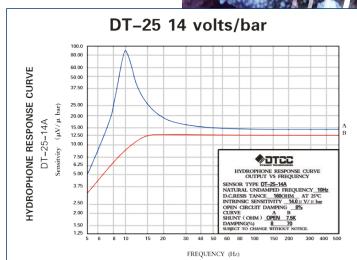
2-D and 3-D seismic application

Suitable for transition zone, marsh and shallow water operations

Natural Frequency (±15 %)	10 Hz				
Voltage Sensitivity (±1.5 dB)	11.2 volts/bar	14 volts/bar			
DC Resistance (±10%)	160	ohms			
Operating Temperature	0°C to 35°C				
Operational Depth	0.3 - 75m				
Standard Cable Sizes	0.310 in (0.79 cm)				
Polarity	SEG				
Dimensions (without outer case)					
Length	12.4 cm				
Diameter	5.3 cm				
Weight	400 g (with one meter cable)				







DT-HP321-01 (P/N:611800200)



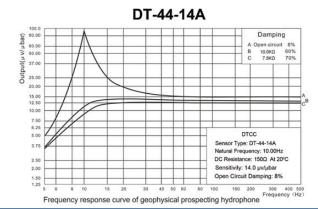
Dual Sensor

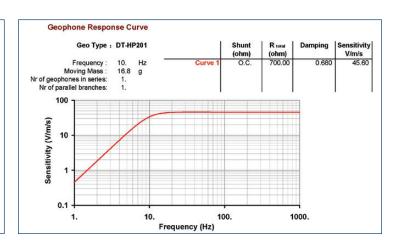
Unique Quad Spring Contact Design, Greatly improves signal transmission and reliability

New rotation mechanism and optimized damping formula reduces internal noise interference

Field Repairable, Helps reduce TZ operation costs Optimized case shape, helps improve signal coupling

GEOPHONE				
Туре	DT-HP201 (Equivalent to SG10)			
Natural Frequency	10 Hz (± 2.5%)			
Resistance	700 ohm (± 3.5%)			
Sensitivity	45.6 V/m/s (± 2.5%)			
	All Parameters are Specified at 20° C			
HYDROPHONE				
Туре	DT-44-14A			
Natural Frequency	10 Hz (± 10%)			
Resistance	150 ohm (± 10%)			
Sensitivity	14 V/bar (± 1.5 dB)			
	All Parameters are Specified at 20° C			
Depth Limit	0.3 - 75 m			
Operating Temperature	0° C to +35° C			
Length	355 mm (13.97 in)			
Diameter	55 mm (2.16 in)			
Weight of the Dual Sensor with Connector and 1.2 m Cable	3.6 kg (7.94 lbs)			





Dual Sensor

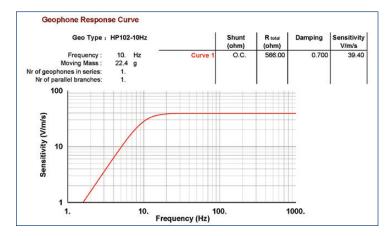
Unique Quad Spring Contact Design, Greatly improves signal transmission and reliability

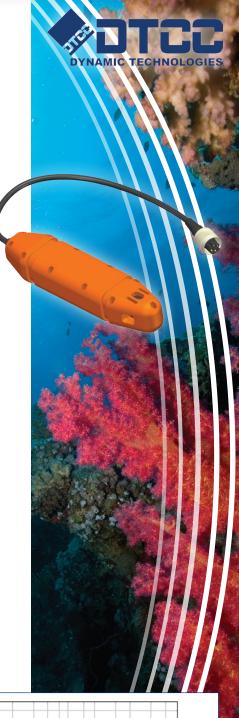
New rotation mechanism and optimized damping formula reduces internal noise interference

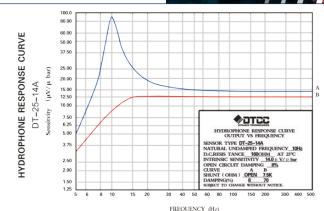
Field Repairable, Helps reduce TZ operation costs

Optimized case shape, helps improve signal coupling

GEOPHONE					
Туре	DT-HP102 (Equivalent to 32CT)				
Natural Frequency	10 Hz (± 2.5%)				
Resistance	566 ohm (± 2.5%)				
Sensitivity	39.4 V/m/s (± 2.5%)				
	All Parameters are Specified at 25° C				
HYDROPHONE					
Туре	DT-25-14A				
Natural Frequency	10 Hz (± 10%)				
Resistance	160 ohm (± 10%)				
Sensitivity	14 V/bar (± 1.5 dB)				
	All Parameters are Specified at 25° C				
Depth Limit	0.3 - 75 m				
Operating Temperature	0° C to +35° C				
Length	355 mm (13.97 in)				
Diameter	55 mm (2.16 in)				
Weight of the Dual Sensor with Connector and 1.2 m Cable	3.6 kg (7.94 lbs)				







String Configurations

Standard (male) -

A standard geophone string with one connector is manufactured for a specific configuration



Reversible (male/female) -

A reversible geophone string gives the crew the ability to connect from either connector and providing greater flexibility during deployment



Extension (male/female) -

An extension geophone string enables the crew to connect two or more geophone strings to each other for a unique array configuration





With the diverse and extreme conditions seismic contractors find themselves in, DTCC has the ability to provide the correct configuration each and every time. We will customize the string configuration that best meets the customer requirement for their initial prospect and beyond for many years of continued service. Our products are designed and manufactured to meet the toughest and diverse terrains from Land (Urban, Desert to Arctic) to Transition Zone/Marsh Zones to Marine environments. We use the best primary base materials in order to build the best quality products possible, this allows our equipment to function properly in all conditions and terrains for many years of exceptional service.

Geophone Case Types

Product Name: DLC1 Land Case

Part Number: 622400000

Used With: HP103, HP104, HP204, HP202



Product Name:

DLC2 Land Case

Part Number: 620100000

Used With:

20 DX Series (4.5Hz, 10Hz, 28Hz, 40Hz, 100Hz)



Product Name:

DLC9 Land Case

Part Number: 620600000

Used With: HP-102



Product Name:

DLC10 Land Case

Part Number: 62070000

Used With: HP201



Product Name:

DMC10 Marsh Case

Part Number: 621600000

Used With: HP201



Product Name:

DMC3 Marsh Case

Part Number: 621100000

Used With:

HP-102, 20DX-10HZ HP103, HP104



Product Name:

DMC8 Marsh Case with Aluminum Protector

Part Number: 621400200

Used With: SOLO Series



Product Name:

DLC6 Land Case

Part Number: 62040000

Used With: SOLO Series



Product Name:

DMC8 Marsh Case

Part Number: 621400000

Used With:

SOLO Series



Product Name:

Horizontal 3C Case D3C-H1-01

Part Number: 621700000

Used With: HP-102 20DX-4.5Hz 20DX-10Hz



Product Name:

Vertical 3C Case D3C-V1-02

Part Number: 622200000

Used With: HP204



Product Name:

Horizontal 3C Case D3C-H1-02

Part Number: 621800000

Used With: HP204

HP103



Product Name:

Vertical 3C Case D3C-V1-01

Part Number: 622100000

Used With: HP-102 20DX-4.5Hz 20DX-10Hz



Product Name:

Horizontal 3C Case D3C-H3

Part Number: 62200000

Used With: SOLO Series



Product Name:

Vertical 3C Case D3C-V3

Part Number: 622300000

Used With: SOLO Series



Product Name:

Horizontal 3C Case D3C-H2

Part Number: 621900000

Used With: HP206





Connector Types

DCK Waterproof



Part Number: 810100000



Male
Part Number: 811000000

DCK Wetproof



Female
Part Number: 810300000



Male
Part Number: 810200000

DCL Wetproof



Female
Part Number: 810800000



Male
Part Number: 810700000

Dual Connector



DCK Male-Female Waterproof Connector Part Number: 810400000



DCK Male-Female Wetproof Connector Part Number: 810500000



DCL Double End Wetproof Connctor Part Number: 810900000

DTCC Leader Wires (DLW)



- 1. Manufacturer brand
- 2. Number of conductors typical number of conductor: 2, 3,
- 3. Break strength per conductor lbs typical break strength of each conductor: 70 lbs, 100 lbs, 225 lbs
- 4. Wire O.D wire outside diameter in inches typically: 0.180, 0.210, 0.250, 0.310
- 5. Indicates gel filled "F" indicates the wire is filled with water blocking gel

- N - 1	O.D.		Break Strength		Weight		ohms	
Type Number	in	mm	lbs	kg	lb/mft	kg/km	mft	km
DLW-2-70-180	0.180	4.57	140	63.5	16.0	23.8	35.1	115
DLW-2-70-180 F	0.180	4.57	140	63.5	15.7	23.4	35.1	115
DLW-3-70-180	0.180	4.57	210	95.3	17.7	26.3	35.1	115
DLW-3-70-180 F	0.180	4.57	210	95.3	17.5	26.0	35.1	115
DLW-2-70-210	0.210	5.33	140	63.5	20.0	29.8	35.1	115
DLW-2-70-210 F	0.210	5.33	140	63.5	19.8	29.5	35.1	115
DLW-3-70-210	0.210	5.33	210	95.3	21.8	32.4	35.1	115
DLW-3-70-210 F	0.210	5.33	210	95.3	21.6	32.1	35.1	115
DLW-2-70-250	0.250	6.35	140	63.5	27.7	41.2	35.1	115
DLW-2-70-250 F	0.250	6.35	140	63.5	27.4	40.8	35.1	115
DLW-3-70-250	0.250	6.35	210	95.3	29.4	43.7	35.1	115
DLW-3-70-250 F	0.250	6.35	210	95.3	29.2	43.4	35.1	115
DLW-2-100-180	0.180	4.57	200	90.7	18.1	26.9	24.1	79
DLW-2-100-180 F	0.180	4.57	200	90.7	17.7	26.4	24.1	79
DLW-2-100-210	0.210	5.33	200	90.7	22.2	33.0	24.1	79
DLW-2-100-210 F	0.210	5.33	200	90.7	21.8	32.5	24.1	79
DLW-3-100-210	0.210	5.33	300	136.1	25.0	37.2	24.1	79
DLW-3-100-210 F	0.210	5.33	300	136.1	24.7	36.7	24.1	79
DLW-2-100-225	0.225	5.71	200	90.7	24.8	36.9	24.1	79
DLW-2-100-225 F	0.225	5.71	200	90.7	24.4	36.3	24.1	79
DLW-3-100-225	0.225	5.71	300	136.1	27.6	41.1	24.1	79
DLW-3-100-225F	0.225	5.71	300	136.1	27.3	40.6	24.1	79
DLW-2-100-250	0.250	6.35	200	90.7	29.8	44.3	24.1	79
DLW-2-100-250F	0.250	6.35	200	90.7	29.4	43.8	24.1	79
DLW-3-100-250	0.250	6.35	300	136.1	32.6	48.5	24.1	79
DLW-3-100-250F	0.250	6.35	300	136.1	32.3	48.0	24.1	79
DLW-2-100-310	0.310	7.87	200	90.7	41.5	61.8	24.1	79
DLW-2-100-310F	0.310	7.87	200	90.7	41.2	61.3	24.1	79
DLW-3-100-310	0.310	7.87	300	136.1	44.4	66.0	24.1	79
DLW-3-100-310F	0.310	7.87	300	136.1	44.0	65.5	24.1	79
DLW-2-225-310F	0.310	7.87	450	204.1	48.4	71.98	8.8	29



www.dtcc.biz

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