



DT-20DXLD

**P/N:810100-XXXXL**

**Geophone element**

- Low distortion  $\leq 0.1\%$
- High quality, reliable and cost effective
- 3-years limited warranty
- 2-D & 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	810100-002L	810100-003L	810100-004L	810100-005L	810100-006L
Type	20DXLD -10Hz	20DXLD -14Hz	20DXLD -28Hz	20DXLD -35Hz	20DXLD -40Hz
Natural Frequency (Hz)	10 $\pm$ 5%	14 $\pm$ 5%	28 $\pm$ 5%	35 $\pm$ 5%	40 $\pm$ 5%
Open Circuit Damping	0.30	0.22	0.27	0.39	0.37
Damping with 1k ohm Shunt resistor	0.70 $\pm$ 5%	0.51 $\pm$ 5%	0.552 $\pm$ 5%	0.612 $\pm$ 5%	0.576 $\pm$ 5%
Open Circuit Intrinsic Voltage Sensitivity(v/m/s)	28	28	39	41	42
Sensitivity with Shunt resistor(v/m/s)	20 $\pm$ 5%	20 $\pm$ 5%	28 $\pm$ 5%	29.6 $\pm$ 5%	30.4 $\pm$ 5%
Coil Resistance(Ohm)	395 $\pm$ 5%	395 $\pm$ 5%	395 $\pm$ 5%	575 $\pm$ 5%	575 $\pm$ 5%
Harmonic Distortion(%)	$\leq 0.10$	$\leq 0.10$	$\leq 0.10$	$\leq 0.10$	$\leq 0.10$
Typical Spurious Frequency(Hz)	$\geq 200$	$\geq 250$	$\geq 350$	$\geq 350$	$\geq 380$
Moving Mass(g)	11		8.2		8.2
Typical Case To Coil Motion (p-p)(mm)	1.5(p-p)				
Allowable Tilt	20°				
Unit Diameter(mm)	25.4		27.0		
Unit Height(mm)	33				
Unit Mass(g)	89	95	95	95	95
Operating Temperature( °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