



**DTCC**  
DYNAMIC TECHNOLOGIES



**DT-20DX**  
**P/N:810100-XXX**

**Geophone element** 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	810100-001	810100-002	810100-003	810100-004	810100-005	810100-006
Type	20DX-8Hz	20DX-10Hz	20DX-14Hz	20DX-28Hz	20DX-35Hz	20DX-40Hz
Natural Frequency(Hz)	8 ± 5%	10 ± 5%	14 ± 5%	28 ± 5%	35 ± 5%	40 ± 5%
Open Circuit Damping	0.38	0.30	0.22	0.27	0.39	0.37
Damping with 1k ohm Shunt resistor	0.71 ± 5%	0.70 ± 5%	0.51 ± 5%	0.552 ± 5%	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 ± 5%	28 ± 5%	29.6 ± 5%	30.4 ± 5%
Coil Resistance (Ohm)	395 ± 5%	395 ± 5%	395 ± 5%	395 ± 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	≥250	≥350	≥350	≥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	
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