

RTC-20DX H-10Hz-395

RTC Geophones are compatible with all field data acquisition systems.

Their excellent characteristics are compatible with larger, heavier, and more expensive units. High Quality, Low Cost Geophones for your Geophysical, Industrial, and Military Uses. Designed to yield the performance needed for scientific studies. Yet has the ruggedness required for petroleum exploration work. 100% compatible with other manufactures 10 hz, 395 ohm geophones.



10Hz Elements Main Specifications(at 22° c)
Orientation: Horizontal to +/-5° Tilt

Parameters \ Mode	RTC-20DX H-10Hz-395
Frequency	
Natural frequency (fn)	10 Hz
Tolerance	± 5%
Typical spurious frequency	>240 Hz
Distortion	
Distortion with 0.7 in/s p.p coil to case velocity	<0.3%
Distortion measurement frequency	12 Hz
Damping	
Typical open circuit damping	0.3
Damping with 1000 Ohm shunt resistor	0.7
Tolerance	± 5%
Coil Resistance	
Standard	395 ohm
Tolerance	± 5%
Resistance with 1000 Ohm shunt resistor	283 ohm
Tolerance	± 5%
Sensitivity	
Open circuit intrinsic voltage sensitivity	28 V/m/s
Sensitivity with 1000 Ohm shunt resistor	20.0 V/m/s
Tolerance	± 5%
Physical	
Moving mass	11 g
Maximum coil excursion p.p	1.5 mm
Diameter	25.4 mm
Height	33.3 mm
Weight	86 g
Operating temperature range	-40°C ~ +100°C
Warranty Period	3 years

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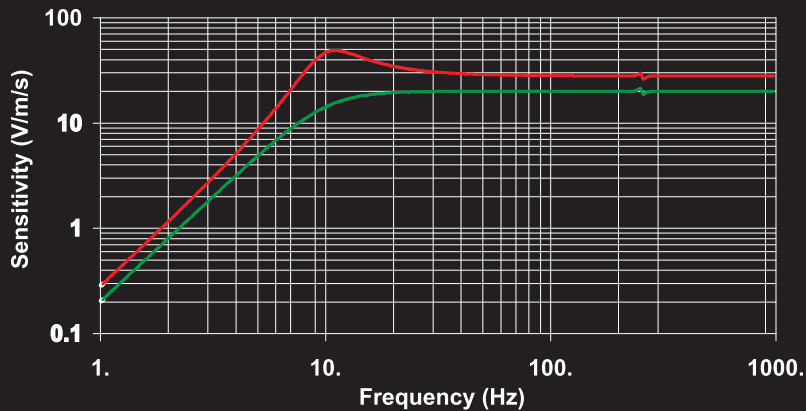
RTC-20DX H-10Hz-395

Geophone Response Curve

Geo Type: 20DX H-10Hz-395

Frequency : 10. Hz
 Moving Mass : 11. g
 Nr of geophones in series : 1.
 Nr of parallel branches : 1.

	Shunt (ohm)	R total (ohm)	Damping	Sensitivity V/m/s
Curve 1	O.C.	395.00	0.300	28.00
Curve 2	1,000	283.15	0.707	20.07
Curve 3				
Curve 4				



Geophone Phase Lag (signal relative to case velocity)

Geo Type: 20DX H-10Hz-395

Frequency : 10. Hz
 Moving Mass : 11. g
 Nr of geophones in series : 1.
 Nr of parallel branches : 1.

	Shunt (ohm)	R total (ohm)	Damping	Sensitivity V/m/s
Curve 1	O.C.	395.00	0.300	28.00
Curve 2	1,000	283.15	0.707	20.07
Curve 3				
Curve 4				

