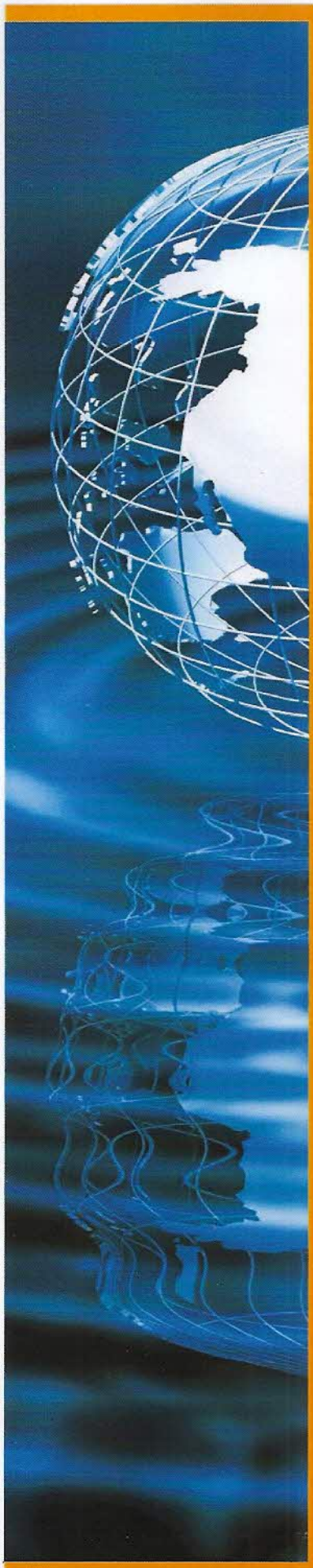

RTC-4.5Hz-395

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. Internally dampened to eliminate external noise.

4.5Hz Elements Main Specifications (at 22℃)

Parameters \ Mode	RTC-4.5Hz-395
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
Tolerance	±10%
Physical	
Moving Mass	11 g
Maximum coil excursion p.p	1.5 mm
Diameter	25.4 mm
Height	33.3 mm
Weight	89 g
Operating temperature range	-40℃ ~ +100℃
Warranty Period	1 year

R.T. Clark

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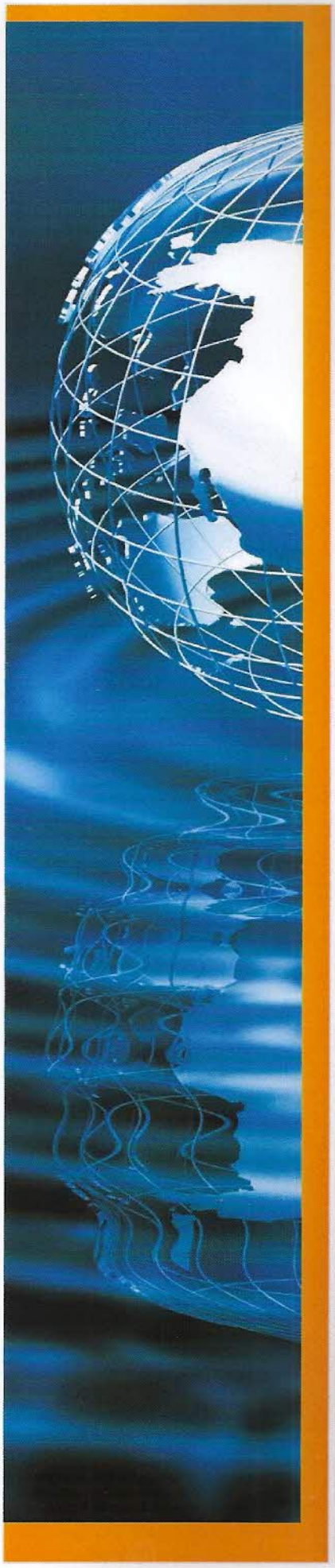
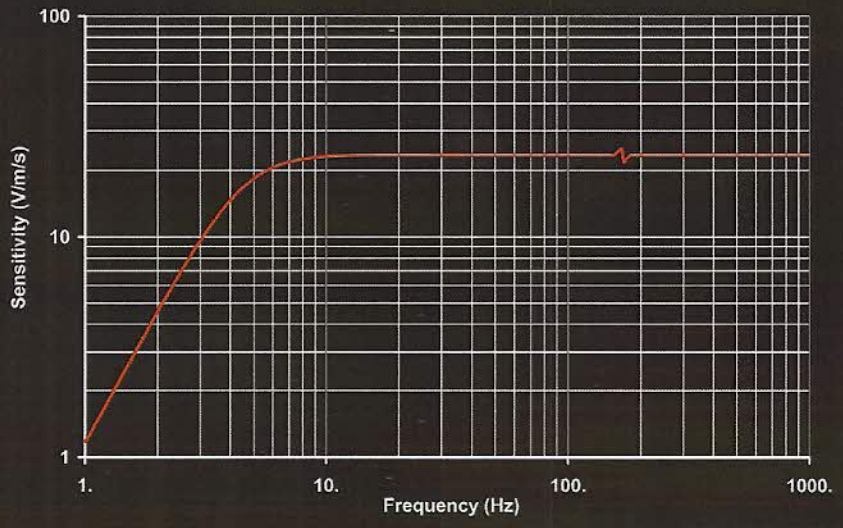
Tele: +1 -405- 751-9696 Fax: +1 -405- 751-6711
web:www.rtclark.com Email: rtclark@rtclark.com



RTC-4.5Hz-395

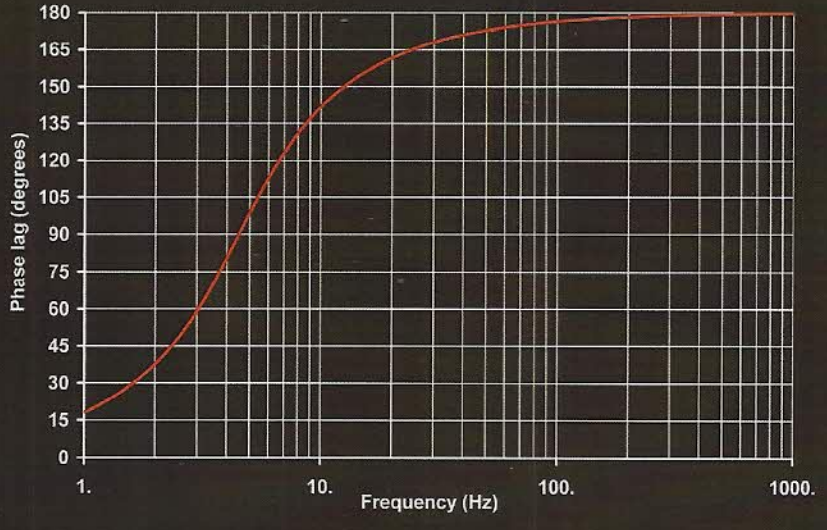
Geophone Response Curve

Geo Type : RTC-4.5Hz-395				Shunt (ohm)	R total (ohm)	Damping	Sensitivity V/m/s
Frequency :	4.5	Hz	Curve 1	O.C.	395.00	0.700	23.40
Moving Mass :	11.	g					
Nr of geophones in series:	1.						
Nr of parallel branches:	1.						



Geophone Phase Lag (signal relative to case velocity)

Geo Type : RTC-4.5Hz-395				Shunt (ohm)	R total (ohm)	Damping	Sensitivity V/m/s
Frequency :	4.5	Hz	Curve 1	O.C.	395.00	0.700	23.40
Moving Mass :	11.	g					
Nr of geophones in series:	1.						
Nr of parallel branches:	1.						



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