



Hydrophones Comparison Chart Rev 1.0

Hydrophone Model	HTI-90-U	HTI-92-WB	HTI-94-SSQ	HTI-96-MIN
Sensitivity (dB re:1V/uPa)	-240 to -155 dB re: 1 V/ μ Pa (0.1 to 1778 V/Bar)	-155 dB re: 1 V/ μ Pa typical (-145 to -180 available)	-240 to -165 dB re: 1 V/ μ Pa (0.1 to 562 V/Bar)	-240 to -165 dB re: 1 V/ μ Pa (0.1 to 562 V/Bar)
Without Preamp:	-186 dB	N/A	-198 dB	-201 dB
Max Frequency Response	2Hz - 20KHz	2Hz - 50KHz	2Hz - 30KHz	2Hz - 30KHz
Element Capacitance	800pF (Series) 12.8nF (Parallel)	150pF	3.2nF	10nF
Operational Depth	6900m	1000m	6900m	3050m
Exportable Operational Depth		1000m		500m
Preamp Types Available	Voltage (3 wire)	Voltage (3 wire)	Voltage (3 wire)	Voltage (3 wire)
	Current (2 wire)	Current (2 wire)	Current (2 wire)	Current (2 wire)
	Differential (4 wire)	Differential (4 wire)	Differential (4 wire)	
Standard Size (inches)	1.5 x 4 (38.1 x 101.6mm)	1.5 x 4 (38.1 x 101.6mm)	1.25 x 1.5 (31.75 x 38.1mm)	0.75 x 2.5 (19.05 x 63.5mm)

Hydrophone Model	HTI-97-DA	HTI-99-HF	HTI-99-UHF	HTI-15-MIN/HP
Sensitivity (dB re:1V/uPa)	-240 to -157 dB re: 1V/ μ Pa	Gain: Customer specified: -40 to 44 dB Max	Gain: Customer specified: -40 to 44 dB Max	N/A
Without Preamp:	-193 dB	-204 dB	-201 dB	-201 dB
Max Frequency Response	2Hz - 20KHz	2Hz - 125KHz	2Hz - 250KHz	2Hz - 30KHz
Element Capacitance	3.6nF	3.6nF	2.5nF	10nF
Operational Depth	2750m	2000m	2000m	6000m
Exportable Operational Depth	900m +/- 50m			
Preamp Types Available	Voltage (3 wire)	Voltage (3 wire)	Voltage (3 wire)	Voltage (3 wire)
	Current (2 wire)	Current (2 wire)	Current (2 wire)	Current (2 wire)
	Differential (4 wire)	Differential (4 wire)	Differential (4 wire)	
Standard Size (inches)	1.0 x 2.88 (25.4 x 73.15mm)	1.0 x 3 (25.4 x 76.2mm)	1.0 x 3 (25.4 x 76.2mm)	0.75 x 3 (19.05 x 76.2mm)

Hydrophones

Downhole/Borehole Comparison Chart

Rev 1.0



Scorpion Oceanics

Hydrophone Model	HTI-02-DHPC	HTI-02-DHPC/G	HTI-05-DHPC	HTI-14-DHPC
Sensitivity (dB re:1V/uPa)	Gain: Customer specified: -40 to 36 dB	Gain: Customer specified: -40 to 36 dB	Gain: Customer specified: -40 to 36 dB	N/A
Without Preamp:	-201 dB	-201 dB	-197 dB	-196 dB
Max Frequency Response	1Hz - 30KHz	1Hz - 30KHz	1Hz - 20KHz	1Hz - 5KHz
Element Capacitance	10nF	10nF	1.5nF	1nF
Maximum operating Temperature	0 to 200 deg C	0 to 150 deg C	0 to 150 deg C	0 to 175 deg C
Operational Depth	6900m	1000m	6900m	3050m
Exportable Operational Depth		1000m		500m
Preamp Types Available	Voltage (3 wire)	Voltage (3 wire)	Voltage (3 wire)	N/A
	Current (2 wire)	Current (2 wire)	Current (2 wire)	N/A
Standard Size (inches)	3.5 x 0.688 (88.9 x 17.48mm)	5 x 0.75 (127 x 19.05mm)	4.68 x 1.25 (118.9 x 31.75mm)	2 x 1.56 (50.8 x 39.62mm)