


HTI Standard Hydrophone Comparison Chart

Hydrophone Model	HTI-90-U	HTI-92-WB	HTI-94-SSQ	HTI-96-MIN	HTI-97-DA	HTI-99-HF	HTI-99-UHF	HTI-15MINHP
Sensitivity (dB re: 1V/uPa)	-186 (Series Conf)	-180	-198	-201	-193	-204	-210	-201
Without Preamp:	-198 (Parallel Conf)							
Max Frequency Response	2Hz – 20kHz	2Hz – 50kHz	2Hz – 30kHz	2Hz – 30kHz	2Hz – 20kHz	2Hz – 125kHz	2Hz – 250kHz	2Hz - 30kHz
Element Capacitance	800pF (Series)	150pF	3.2nF	10nF	3.6nF	3.6nF	2.5nF	10nF
	12.8nF (Parallel)							
Operational Depth	6900Mtrs	1000Mtrs	6900Mtrs	3050Mtrs	2750Mtrs	2000Mtrs	2000Mtrs	6000Mtrs
Exportable Operational Depth		1000Mtrs		500Mtrs	900 ± 50Mtrs			
Preamp Types Available (See website for specifications)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)
	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)
	Differential (4 Wire)	Differential (4 Wire)	Differential (4 Wire)		Differential (4 Wire)	Differential (4 Wire)	Differential (4 Wire)	
Standard Size (Dia x Length)	1.50" x 4.0"	1.50" x 4.0"	1.25" x 1.5"	0.75" x 2.5"	1.00" x 2.88"	1.00" x 3.0"	1.00" x 3.0"	0.75" x 3.0"

HTI Standard Downhole/Borehole Comparison Chart

Hydrophone Model	HTI-02-DHPC	HTI-02-DHPC/G	HTI-05-DHPC	HTI-14-DHPC
Sensitivity (dB re: 1V/uPa)	-201	-201	-197	-196
Max Frequency Response	1Hz – 30kHz	1Hz – 30kHz	1Hz – 20kHz	1Hz – 5kHz
Element Capacitance	10nF	10nF	1.5nF	1nF
Max Operating Temp	0-200°C	0-150°C	0-150°C	0-175°C
Max Operating Pressure	30,000psi	30,000psi	30,000psi	30,000psi
Preamp Types Available (See website for specification)	Voltage (3 Wire)	Voltage (3 Wire)	Voltage (3 Wire)	N/A
	Current (2 Wire)	Current (2 Wire)	Current (2 Wire)	

 Conversion from dB re: 1v/uPa to Volts/Bar = $(10^{(Sensitivity\ in\ dB + 220)}/20)$

Issued for Guidance Purposes Only