



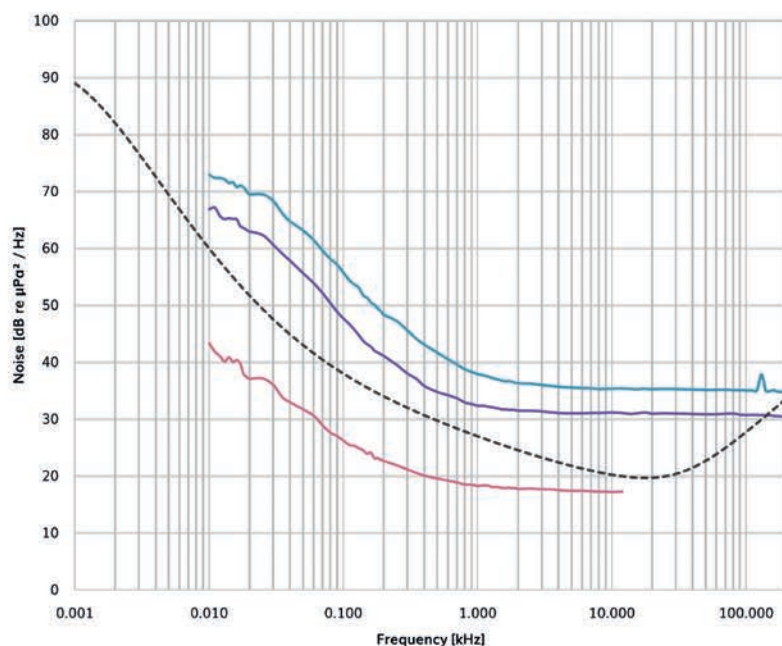
Accurate. Simple. Reliable.

The icListen Smart Digital Hydrophones are the industry's standard in digital marine acoustics. This compact, all-in-one instrument can process, stream, and record acoustic data, all in real-time. The icListen is fully calibrated, with rechargeable batteries, large memory, and internal processing of spectrum data and a built-in event detector.

Use the icListen as a digital hydrophone, acoustic recorder, or both simultaneously. Collect ocean sound data accurately, simply and reliably. Improve decision making and project success by choosing the icListen as part of your next deployment.



Compact and fast. Record, listen and analyze ocean data anywhere.



— RB9 (HF) Discontinued
— HF
— AF
--- Ambient minimum*

* Wenz, G.M. (1962), Acoustic Ambient Noise in the Oceans: Spectra and Sources, *J ACOUST SOC AM*, 34(12), 1936-1956.

	HF	HF (L)	HF (X2)	AF	AF (L)	Units
SIGNAL PERFORMANCE						
Low Frequency Cutoff	10	1	1	10	1	Hz
± 3 dB Bandwidth	200	200	200	13	13	kHz
Maximum Data Rate	512	512	512	32	32	ksps
Minimum Data Rate	1	1	1	1	1	ksps
Resolution	24	24	24	24	24	bits
Minimum Self Noise	31	31	68	18	18	dB re $\mu\text{Pa}^2/\text{Hz}$
Peak Input Level (μPa)	179	179	215	169	169	dB re μPa
Peak Input Level (Volts)	6.5	6.5	6.5	6.5	6.5	dBV
Voltage Sensitivity	-172	-172	-209	-162	-162	dB re V/ μPa
Minimum Self Noise	31	31	68	18	18	dB count/ μPa
Digital Sensitivity 24-bits	-43	-43	-80	-33	-33	dB
Dynamic Range	147	147	147	151	151	dB
MECHANICAL						
Weight (Titanium Case) [in air]	911	911	911	1003	1003	g
Weight (Titanium Case) [in seawater]	670	670	670	-	-	g
Weight (Plastic Case) [in air]	445	445	445	580	580	g
Weight (Plastic Case) [in seawater]	220	220	220	-	-	g
Volume (Displacement)	317	317	317	350	350	cm ³
Overall Length, including connector	258	258	258	255	255	mm
Sensor Element Length	61	61	61	54	54	mm
Body (Can) Length	165	165	165	165	165	mm
Body Diameter	48	48	48	48	48	mm
SOFTWARE						
Lucy Software Support	Yes	Yes	Yes	Yes	Yes	-
Communication Interface	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	-
Web Server (HTTP)	TCP	TCP	TCP	TCP	TCP	-
Maximum Internal Data Storage	1	1	1	1	1	TB
POWER						
Internal Battery Life	8	8	8	8	8	Hours
Recommended Support Voltage	36	36	36	36	36	V
Supply Voltage Limits	48	48	48	48	48	V
External Power (min)	1.83	1.83	1.83	1.83	1.83	W
External Power (typical)	2.26	2.26	2.26	2.26	2.26	W
External Power (charging)	3.75	3.75	3.75	3.75	3.75	W
Regulatory Bypass Voltage	-12 ± 10%	-12 ± 10%	-12 ± 10%	-12 ± 10%	-12 ± 10%	V

NOTE: Specifications based on SJ (HF) and SK (AF) models.