

Sensors Metadata

General information

Identification	ID	
	long name	Hydrophone NAXYS Ethernet 02345
	short name	Hydrophone NAXYS Ethernet 02345
	manufacturer	Bjorge ASA
	model	NAXYS Ethernet 02345
	serial number	SN: 0010 (PN: 2345)
Classification	application	Probe designed for the reception of real-time ocean sounds of frequency range between 5Hz to 300kHz
	type	
	observation measurements	Total energy of the sound signal in the sea (Amplitude in counts)
Description	name	Probe designed for the reception of real-time ocean sounds of frequency range between 5Hz to 300kHz
	keywords	Probe, Marine sound
	text description	

Constrains

Security	text	
Time Range	start	15/02/2010
	end	No end date
Legislative framework	rights, description	Data ownership: UPC-SARTI
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Documentos/Plantilla%20acord%20confidencialitat%20de%20dades%20-%20UPC%20SARTI.pdf

Properties

Characteristics	physical properties	Housing is made of stainless steel. The hydrophone element is encapsulated in an acoustically transparent compound, providing omni directional characteristics. The electronics has a 16 bit resolution
	memory	
	battery	
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_Hidrofon.pdf
Capabilities	text description	
	resolution, ranges	Hydrophone sensitivity (-179dB rel V/uPa), Element sensitivity (-211dB rel V/uPa), Frequency range (5Hz - 300KHz), Directivity pattern (Omni directional), Digital resolution (16 bits), Sensitivity accuracy typical (+/- 3 dB)
	quality	
	URL capabilities	http://esonet.epsevg.upc.es:8080/OostethysObseaSos/sos?VERSION=1.0.0&SERVICE=SOS&REQUEST=GetCapabilities

References

Contact	data provider	UPC SARTI, Centre Tecnològic de Vilanova i la Geltrú Rambla Exposició 24 Edifici, C - 08800 Vilanova i la Geltrú (Barcelona)
Documentation	URL document	http://www.cdsarti.org/

History

Installation	Dates, operator	Installed in OBSEA on 19/03/2010
Calibration	Dates, report	15 de febrero de 2010 http://www.upc.edu/cdsarti/OBSEA/mdSensors/Calibraciones/Hidrofono.pdf

Components

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Location

	postal address	
	latitude	41° 10.920'N (41°10'55.20"N)
	longitude	1° 45.141'E (1°45'8.46"E)
	height	Height above street level: (-)20 metros

Geographic coverage

Geographic coverage	bounding box	
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Data access

Address	URL	Web Interface: http://www.obsea.es/ LIDO: http://listentothedeep.com/acoustics/
Constrains	description (text)	