






# SWALE OCEANOGRAPHIC



## RTsys - Underwater Listening Systems

Products	Dims (cm)	Wgt (kg) air / water	Depth (m)	Power & autonomy	Sampling frequencies(kHz)	Acquisition channels	Data format	Data storage	Hydrophones accepted	Options
<b>EA-SDA14</b> 	L32 or 55 x Ø 12	32cm : ~ 5kg / 2kg 55cm : ~ 9kg / 4kg	100 / 700 (4000)	<b>EASDA14-320:</b> 6 x Lithium-ion D cells: 5 days in Standard mode 13 days in Low-power mode* 6 x Alkaline D Cells: 2 days at Standard mode 5 days in Low-power mode* <b>EASDA14-550:</b> 18 x Lithium-ion D cells: 17 days in Standard mode 40 days in Low-power mode* 18 x Alkaline D Cells: 6 days at Standard mode 16 days in Low-power mode*	Std high-sampling mode: 39, 78, 156, 312, 625, 1250 Low-power mode*: 1, 2, 4, 8, 16, 32, 48, 96, 192 kHz	4 synchronized fully calibrated acquisition channels (+/- 0.1dB)  Selectable Analog HPF (3, 30Hz, 3kHz) and Gain settings (-20dB - +24dB) <b>Custom options</b>	24 and 32bit wav files : 20 effective bits >106dB Signal to Noise 16bit wav files: 16 effective bits > 89dB Signal to Noise	128GB SD card 256GB SD card + optional 1TB SSD or 2TB USB HDD	Up to 4 hydrophones simultaneously: - B8K : 8106, 8105, etc. - RESON : TC4032, 4014, - HTI : 92-WB, 99-HF, etc	Temperature, pressure, GPS, CTD 3 axis accelerometer & gyrometer multi-parameter probe (salinity, turbidity etc.)
<b>EA-SDA 1000</b> 	L121 x Ø 12	~ 20kg / 10kg	100 / 700 (4000)	54 x Lithium-ion D cells: 45 days in Standard mode 135 days in low-power mode* 54 x Alkaline D Cells: 18 days at Standard mode 54 days in Low-power mode* 54 x Rechargeable D Cells: 22 days in Standard mode 65 days in Low-power mode*	Std high-sampling mode: 39, 78, 156, 312, 625, 1250 Low-power mode*: 1, 2, 4, 8, 16, 32, 48, 96, 192 kHz	4 synchronized fully calibrated acquisition channels (+/- 0.1dB)  Selectable analog HPF (3, 30Hz, 3kHz) and Gain settings (-20dB - +24dB) <b>Custom options</b>	24 and 32bit wav files : 20 effective bits >106dB Signal to Noise 16bit wav files: 16 effective bits > 89dB Signal to Noise	128GB SD card 256GB SD card + optional 1TB SSD or 2TB USB HDD	Single hydrophone input: - B8K : 8106, 8105, etc. - RESON : TC4032, 4014, - HTI : 92-WB, 99-HF, etc.	Temperature, pressure, GPS, CTD 3 axis accelerometer & gyrometer multi-parameter probe (salinity, turbidity etc.)
<b>SYLENCE</b>	L55 x Ø 12	~ 7kg / 2kg	100	18 x Li-ion D cells: 40 days 18 x Alkaline D Cells: 16 days Low-power mode* only	Low-power mode*: 1, 2, 4, 8, 16, 32, 48, 96, 192 kHz	Single 16 or 24bit acquisition channel	16 or 24bit wav files	128GB or 256GB SD card	Single hydrophone input: - HTI-96-MIN - HTI-99-HF	Temperature, pressure
<b>BA-SDA14</b> 	Float : 60 Tube : 15 Ø x 157 height	~ 34kg	n/a	Lithium-ion rechargeable battery pack WiFi ON : 12 days WiFi OFF: 20 days	Std high-sampling mode: 39, 78, 156, 312, 625, 1250kHz Low-power mode*: 1, 2, 4, 8, 16, 32, 48, 96, 192 kHz	4 acquisition channels with +0.1dB cal HPF (3, 300Hz, 3kHz) and Gain settings (-10dB - +24dB) +/- 0.1dB accuracy	16, 24 or 32 bit wav files	128GB SD card 256GB SD card + optional 1TB SSD or 2TB USB HDD	Up to 4 hydrophones simultaneously: - B8K : 8106, 8105, etc. - RESON : TC4032, 4014, - HTI : 92-WB, 99-HF, etc	GPS Satellite, VHF Communication, multi-parameter probe (salinity, turbidity, etc.)
<b>TR-SDA14</b> (Topside case)	40 x 33 x 17 Pellicase	~ 5 kg	n/a	Li-ion or lead-acid rechargeable batteries	Std high-sampling mode: 39, 78, 156, 312, 625, 1250kHz Low-power mode*: 1, 2, 4, 8, 16, 32, 48, 96, 192 kHz	4 synchronized fully calibrated acquisition channels	16, 24 or 32 bit wav files	128GB SD card 256GB SD card + optional 1TB SSD or 2TB USB HDD	Up to 4 hydrophones simultaneously: - B8K : 8106, 8105, etc. - RESON : TC4032, 4014, - HTI : 92-WB, 99-HF, etc	GPS Low frequency module
<b>PR-SDA14</b> (Small Topside case)	21 x 15 x 10 Pellicase	~ 1.7 kg	n/a	Li-ion or lead-acid rechargeable battery	Std high-sampling mode: 39, 78, 156, 312, 625, 1250kHz	Single acquisition channel	16, 24 or 32 bit wav files	128GB SD card 256GB SD card	Single hydrophone input: HTI	GPS, Temp, salinity, RS-232

\* up to 2 acquisition channels (16bits, 24bits), up to 256GB storage capacity, SD Card recording only - RTsys is a ISO9001 certified company - RTsys systems conform to latest European and global underwater noise measurements standards (MSFD)

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