

New

# Coda DA series

GeoSurvey



The all-new Coda GeoSurvey™ DAseries™ acquisition system is available for all sidescan sonars and sub-bottom profilers including the latest digital sonars and popular analogue systems. Building on more than 12 years of experience as a leader and innovator in the field of geophysical acquisition, Coda GeoSurvey is the system of choice for many of the world's leading survey companies and research institutes.

The Coda DAseries is a purpose-built, turn-key hardware solution specifically designed for the most demanding of offshore survey requirements and is delivered pre-installed, ready to run. With options including two-channel and four-channel analogue acquisition, two independent triggers, digital network interfaces, Windows or Linux operating systems, rugged, compact rack-mountable hardware, the DAseries is a highly flexible solution for all geophysical data acquisition requirements. With Coda's extensive range of real-time and post-processing software tools such as Pipeline Inspection, Mosaicing and GeoKit interpretation tools, Coda GeoSurvey fulfils the most demanding marine geophysical and engineering survey specifications.

For digital-only sonar systems and sub-bottom profilers from L3-Klein, EdgeTech and Teledyne Benthos and for all post-processing applications, Coda GeoSurvey can be installed on any standard PC running Windows XP.

## FEATURES

- Compatible with all leading sidescan sonars & sub-bottom profilers
- Up to 4 analogue input channels
- Digital/network interface
- Dual independent triggering
- 1U, 19" rack-mountable
- Dual monitors
- Dual printer interface
- Real-time heave input
- Magnetometer input

## BENEFITS

- Compact size & weight
- Guaranteed hardware compatibility
- Minimal field setup with factory configured and tested hardware
- 24/7 technical support for hardware *and* software



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Coda  
Leading GeoSurvey Solutions

# Coda GeoSurvey™ DAseries

## Technical Specifications

System	Triggers	Channels	Serial Ports	Interfaces	Additional Information
DA500	1	2	2	SSS or SBP	19" rack-mountable
DA1000	1	4	2	SSS and SBP separately	19" rack-mountable
DA2000	2	4	2	SSS and SBP simultaneously	19" rack-mountable, dual printing, supports dual monitors, multiple sensor positions

INPUTS & OUTPUTS	
<b>Analogue inputs</b>	Adjustable input-range analogue inputs compatible with all analogue sidescan sonar outputs and sub-bottom profilers including direct hydrophone connection. Improved low voltage performance
<b>Trigger inputs</b>	Standard TTL input. Up to 2 independent/asynchronous triggers
<b>Trigger outputs</b>	Standard TTL output
<b>Navigation &amp; fix data</b>	Multiple serial ports for NMEA compatible navigation data and other proprietary format navigation, fix and annotation strings
<b>Printer interfaces</b>	Up to two independent parallel printer interfaces compatible with printers from Octopus, EPC, Alden/GeoAcoustics Ultra and Isys
<b>Network</b>	2 Ethernet interfaces (1 x 1Gb, 1 x 10/100Mb) for data transfer and interface to digital sonars
<b>Other interfaces</b>	USB x 4; IEEE 1394 (peripheral interface)
DATA RECORDING	
<b>Recording devices</b>	Internal hard disk, external hard disk (via USB 2.0 or IEEE 1394), DVD RAM and remote network devices. Automatic continuous recording switch-over. Raw or processed data recording and copying. Post acquisition data back-up to DVD-R and CD-R disks
<b>Recording formats</b>	CODA, SEGY, XTF, QMIPS
DISPLAY MODES	
<b>Sonar</b>	Vertical and horizontal scrolling waterfall, A-scan/oscilloscope, dual or single channel
<b>Sub-bottom</b>	User-defined seismic zoom windows, left/right, up/down, scroll directions
<b>Dual format</b>	Simultaneous display of multiple channels and data types in multiple windows, on single or dual monitors (DA1000 & DA2000)
<b>Navigation</b>	On screen real-time nav. updates, track plot, corrected nav, navigation smoothing, speed correction etc.
PROCESSING	
<b>Sidescan</b>	Real-time sonar gain correction and colour palette display enhancement facilities, cross-track smoothing, speed correction. Extensive real-time and post-processing modules including Pipeline Inspection, Mosaicing and GeoKit interpretation tools. <i>See Coda GeoSurvey Productivity Suite for more information</i>
<b>Sub-bottom</b>	Extensive real-time signal processing and gain correction for sub-bottom profiler together with display enhancement facilities. User-defined depth and time based filters and gain controls. Stacking, auto seabed tracking, speed correction. Extensive post processing modules for reprocessing and interpretation. Supports heave sensor input for real-time heave correction <i>See Coda GeoSurvey Productivity Suite for more information</i>
PHYSICAL	
<b>Description</b>	19" rack-mountable system – 1U, slim-line ruggedized industrial PC
<b>Dimensions</b>	17" wide x 1.75" high x 14" deep (19" wide x 1.75" x 14" deep with rack mounting)
<b>Shipping case</b>	Custom Peli-case
<b>Power</b>	100-240 Volts AC
<b>Processor</b>	Pentium M 1.8GHz or better
<b>Memory</b>	512Mb as standard
<b>Hard Disk</b>	300 gigabyte
<b>Display</b>	Compatible with single or dual screens (optional)

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A **CodaOctopus** product. We reserve the right to change equipment specifications without notice.

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