New

Coda GeoSurvey DA series

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

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.

CodaOctopus

Coda
LeadingGeoSurveySolutions

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	
Analogue inputs	Adjustable input-range analogue inputs compatible with all analogue sidescan sonar outputs and sub-bottom profilers including direct hydrophone connection. Improved low voltage performance
Trigger inputs	Standard TTL input. Up to 2 independent/asynchronous triggers
Trigger outputs	Standard TTL output
Navigation & fix data	Multiple serial ports for NMEA compatible navigation data and other proprietary format navigation, fix and annotation strings
Printer interfaces	Up to two independent parallel printer interfaces compatible with printers from Octopus, EPC, Alden/GeoAcoustics Ultra and Isys
Network	2 Ethernet interfaces (1 x 1Gb, 1 x 10/100Mb) for data transfer and interface to digital sonars
Other interfaces	USB x 4; IEEE 1394 (peripheral interface)

DATA RECORDING	
Recording devices	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
Recording formats	CODA, SEGY, XTF, QMIPS

DISPLAY MODES	
Sonar	Vertical and horizontal scrolling waterfall, A-scan/oscilloscope, dual or single channel
Sub-bottom	User-defined seismic zoom windows, left/right, up/down, scroll directions
Dual format	Simultaneous display of multiple channels and data types in multiple windows, on single or dual monitors (DA1000 & DA2000)
Navigation	On screen real-time nav. updates, track plot, corrected nav, navigation smoothing, speed correction etc.

PROCESSING	
Sidescan	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. *See Coda GeoSurvey Productivity Suite for more information*
Sub-bottom	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 *See Coda GeoSurvey Productivity Suite for more information*

PHYSICAL	
Description	19" rack-mountable system – 1U, slim-line ruggedized industrial PC
Dimensions	17" wide x 1.75" high x 14" deep (19" wide x 1.75" x 14" deep with rack mounting)
Shipping case	Custom Peli-case
Power	100-240 Volts AC
Processor	Pentium M 1.8GHz or better
Memory	512Mb as standard
Hard Disk	300 gigabyte
Display	Compatible with single or dual screens (optional)

Coda GeoSurvey™ Coda™ and the Coda logo are Trademarks of CodaOctopus

NEW GeoSurvey DAseries 20070131

Coda
LeadingGeoSurveySolutions