



World Class Underwater Technology

## The Class in Seabed Classification

# RoxAnn GD-X

### Features:

- Portable self contained unit
- Robust construction
- Dual frequency system, 50/200kHz
- Real time seabed material classification
- Ease of installation
- Data export to GIS
- Includes RoxMap Scientific plotter software package
- Includes pole mounted transducer

### Applications:

- Underwater Archaeological Surveys
- Estuary Management
- Riverbed Civil Engineering
- Coral Studies
- Sediment and Pollution Monitoring
- Fisheries Habitat Monitoring
- Sandbar Monitoring



### Description:

RoxAnn GD-X enables the hydrographic surveyor to create colour coded seabed material maps in 2 or 3 dimensions in real time.

The GroundMaster is a self-contained portable, seabed classification system designed to be used on board small vessels when no dedicated survey vessel is available. GroundMaster comes with its own built-in echosounder and is available for single or dual frequency operation

Position, time, depth and seabed classification data are logged at regular intervals to a computer file, which can be exported to a Geographic Information System (GIS) for further spatial analysis. GIS analysis can be used to determine the benthic habitat boundaries and bathymetry whilst displaying the differences between successive surveys. Such spatial and time series analysis is necessary for long term monitoring and management needs.

Used for inshore and coastal water surveys, it interfaces with GPS/DGPS and data is displayed using RoxMap or other plotter software on the survey PC.

## Technical Specifications

### Storm Case Physical Specifications

Length	360mm
Width	290mm
Height	165mm
Weight	4kg

### Cables & Connectors

9 pin D type connector to GD-X - 5m  
USB to PC to GD-X - 5m  
Power Supply 10 to 36VDC - 5m  
Transducer cable - 10m  
All cables sealed and splashproof

### PC Compatibility

RoxAnn GD-X	1 x RS232 serial port or USB port
RoxMap Dongle	1 x USB port
GPS	1 x RS232 serial port or USB port
RoxMap Installation	1 x CD-ROM

### Power Supply

10 to 36VDC

## OTHER PRODUCTS IN THE ROXANN GD FAMILY

RoxAnn GD Fishing, optimised for use by the commercial fishing industry.

RoxAnn GD-S Swath, a self contained portable seven beam unit for use in 2m to 40m water depth

RoxAnn GD-A, optimised for use by the hydrographic and scientific sectors

RoxAnn GD-Z, a two channel unit allowing concurrent operation with two sounders for sediment assessment

RoxAnn GD-X2, a self contained portable dual frequency unit with pole mounted transducer and colour display