

Positioning and Navigation Systems

CRESCENT VS 100 Series

Differential positioning accuracy of less than 60 cm, 95% of the time, including SBAS

Position Accuracy

Horizontal Accuracy: < 0.6 m 95% confidence (DGPS)*

Heading Accuracy:

< 0.30° rms @ 0.5 m antenna separation
 < 0.15° rms @ 1.0 m antenna separation
 < 0.10° rms @ 2.0 m antenna separation

Pitch / Roll Accuracy:

< 1° rms @ 0.5 m antenna separation



CRESCENT VS 100
GPS receiver



DGPS: R100 Series

Seastar 9205 GNSS Receiver

Can be subscribed to the various DGNSS services offered by Fugro such as HP, XP and the integrated GPS/GLONASS G2 service.

Position Accuracy

Horizontal: 10 cm (95%)

Vertical: 15 cm (95%)

Seastar 9205 GNSS Receiver



Starfix 9205 GNSS



Seastar 9205 GNSS base unit

Octopus F185 System + IMU

F185, positional accuracy capability to 1 cm when used with a suitable external RTK receiver and base station.

Positional accuracy :

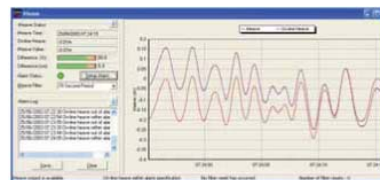
1.5m stand-alone
 0.6m SBAS
 0.4m DGPS
 Up to 1cm with RTK

True Heading:

1m baseline - 0.1°
 2m baseline - 0.05°
 4m baseline - 0.025°



Octopus F185 System + IMU



Roll and Pitch: <0.025°

Heave: 5% of heave amplitude or 5cm

Navigation software

Hypack 2011 Survey



Hypack 2011

HYPACK® provides all of the tools necessary to complete your hydrographic, side scan and magnetometer survey requirements.

HYPACK® provides you with the tools necessary to meet almost any hydrographic survey requirement. It provides tools to design your survey, collect your data, apply corrections to soundings, remove outliers, plot field sheets, export data to CAD, compute volume quantities, generate contours, create side scan mosaics and create/modify electronic charts.

PDS2000



PDS2000

PDS2000 for Multibeam Surveys provides the functionality for survey planning, data acquisition, data processing, editing, volume calculations and chart production.