

S35

Differential Receiver

Sub-Meter DGPS Surveying Solutions



S35 differential receiver can receive GPS satellite signals, various SBAS signals, as well as the differential signals launched by the geo-stationary satellites(Also called satellite difference), so as to improve the positioning precision.

Operational areas

- Hydrographic positioning construction
- Tidal land surveying
- Navigation for ocean transportation
- Territorial resources investigation
- Line investigation
- Collection of GIS data

Features

- The differential positioning accuracy is up to sub-meter level
- The operation is simple, power on the S35, then it will receive satellites automatically
- Industrial mold, with 3-proofs functions
- Built-in battery and Bluetooth, convenient for land surveying
- Wide range of application
- The continuous working time is up to 12 hours

 Bluetooth® 



SOUTH GNSS

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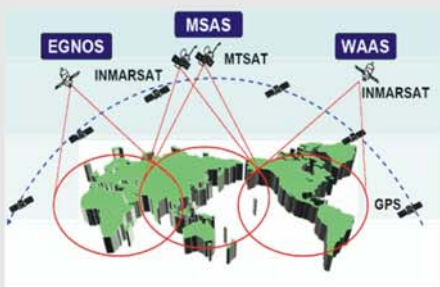
Working Mode



Navigating and positioning on surveying and dredging boats



Measuring and staking out points



WAAS, EGNOS, MSAS overlay diagram

Specifications

GPS signal	L1、C/A code、carrier phase smoothing (Patented COAST™ proprietary technology, when differential signals outage)
Channel	12 channels, parallel tracking (11 channels when tracking SBAS)
Differential Source	SBAS (WAAS, EGNOS, MSAS)
Horizontal Accuracy	DGPS ≤ 1m Single receiver < 2.5m
Communication	RS-232 or bluetooth
Output pulse	1PPS
Baud Rate	9600bps
Output data format	NMEA0183
External power	9 ~ 36VDC
Power consumption	< 1.2W@12VDC
Weight	0.6kg (Built-in battery included)

Standard Kit

S35 Mainframe	1PC
Communication/ external power cable for S35	1PC
Lithium battery	2PCS
Charger for Lithium battery	1PC
Power Nav software	1PC
Adapter pole	1PC
Case	1PC

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