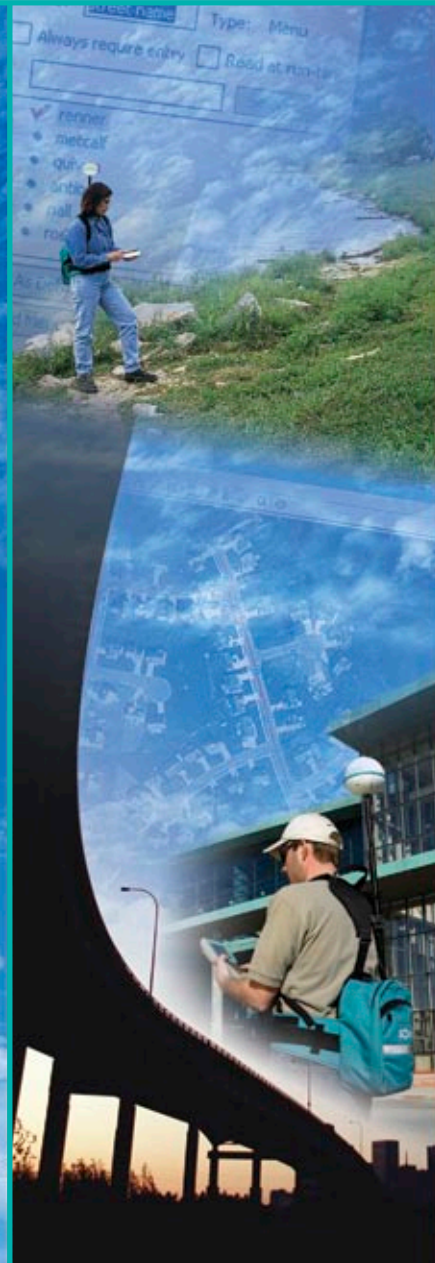


SOKKIA

Axis3

L1 DGPS System



Axis3

If you're looking for a GPS system that's perfectly suited for all of your GIS/Mapping applications, you need to experience SOKKIA's Axis3 L1 DGPS System.

The Axis3 system comes complete with a high-performance, 12-channel L1 DGPS receiver, antenna and ergonomic backpack. All of the components are lightweight, functional and user-friendly. And you'll appreciate the fact that Axis3 offers three types of real-time corrections (Beacon, L-band and WAAS) for reliable data collection when you need it most.

Combine the Axis3 with IMap data collection software and IMap Office, and you'll have a comprehensive, reliable, affordable system for all of your GIS/mapping applications.



Accurate. A

System Features

Lightweight, Rugged Design.

The Axis3 receiver weighs only 0.8 kg (1.7 lb) and can withstand a drop of 2.0 m (7.2 ft). The antenna weighs just 0.5 kg (1.1 lb).

Accurate.

Axis3 utilizes three types of real-time corrections (Beacon, L-band and WAAS) for reliable, accurate positioning information.

Easy to Use.

Functional, modular design. LED indicators provide information for power, GPS lock and DGPS lock.

Post-processing Capability.

Post-processing capabilities allow for further refinement of positions.

Reliable Power.

Lithium rechargeable batteries provide power supply for a full day of surveying.



Affordable. Reliable.

System Components

- 12-channel, L1 DGPS receiver
- Internal beacon, L-band (OmniSTAR VBS) and WAAS/EGNOS corrections
- Microsoft Windows® CE data collector with IMap software
- Axis3 antenna
- Ergonomic backpack

IMap — Data Collection and Office Software

IMap data collection and office software provides comprehensive GIS mapping tools with a remarkably simple interface and intuitive workflow. It offers up-to-the-second positional information, including easy-to-interpret graphical status displays and quality indicators ensuring accurate data collection and navigation.

IMap consists of IMap data collection software, a Windows® CE data collector and IMap Office — an optional office software and companion to IMap. IMap software can be loaded onto a variety of data collection devices, including the iPAQ, Allegro CX™ and JETT®• ce.



Order your complete Axis3 system today!

Visit Sokkia on the web for more information or to locate your nearest distributor.

Axis3 Receiver Specifications

Internal GPS Engine		
Frequency	1.575 GHz (L1)	
Horizontal Accuracy	<1 m (RMS)	
Channels	12 x L1 with 3 internal DGPS corrections	
Internal L-Band Sensor		
Frequency	1.525 to 1.585 GHz	
Tuning Mode	Manual or Automatic	
Sensitivity	120 dBm for <10-3 BER	
Internal Beacon Sensor		
Frequency	283.5 to 325.0 kHz	
Cold Start Time	<1 min (typical)	
Reacquisition Time	2 sec (typical)	
Channels	2	
Physical		
Weight	0.8 kg	1.7 lb
Size (l x w x h)	19.0 cm x 12.5 cm x 5.1 cm	7.4 in x 4.9 in x 2.0 in
Environmental		
Operating Temperature	-32° C to +74° C	-26° F to +165° F
Storage Temperature	-40° C to +85° C	-40° F to +185° F
Humidity	95% non-condensing	
Shock	2.0 m pole drop / 1.0 m stand alone	7.2 ft pole drop / 3.3 ft stand alone
Power Requirements		
Power Input	+9.5 to +48 VDC	
Power Consumption	<6.5 W	
Batteries	950 mAh Lithium rechargeable batteries	
Operating Time	Up to 12 hours	
External Ports	2 x RS232, 1 x power, 1 x antenna	
Standard Input/Output Formats	RTCM SC-104, NMEA 0183	
1. Accuracy depends on the number of satellites used, obstructions, satellite geometry (DOP), occupation time, multipath effects, atmospheric conditions, baseline length, survey procedures and data quality.		

Axis3 Antenna Specifications

Physical		
Weight	0.5 kg	1.1 lb
Size (d x h)	14.1 cm x 12.7 cm	5.6 in x 5.0 in
Environmental		
Operating Temperature	-40° C to +85° C	-40° F to +185° F
Storage Temperature	-40° C to +85° C	-40° F to +185° F
Humidity	100% condensing	
Power Requirements		
Power Input	+5 to +15 VDC	
Input Current	50 to 60 mA	

IMap Minimum Specifications

Operating System	Microsoft® Windows® CE
Memory	8 MB RAM
Ports	1 x RS232
Display	240 x 320 resolution

IMap Recommended Specifications

Operating System	Microsoft® Windows® CE
Memory	64 MB RAM
Ports	1 x RS232
Display	240 x 320 resolution

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