

RAVEN

PRECISION
Solutions

Building a Platform For Success.



Features

- Decimeter differential GPS accuracy
- 24 channel GPS, WAAS, L1/L2, L-Band (OmniSTAR) receiver
- Position solutions at 20 per second
- Configurable via LCD and soft keys
- Two serial RS232 I/O ports
- Rugged, weatherproof enclosure
- Free software upgrades via internet
- Best technical support in the industry
- One year warranty

DGPS Options

Sub-meter level:

- WAAS
- CDGPS
- OmniSTAR VBS
- EGNOS
- MSAS

Decimeter:

- OmniSTAR HP

Position Accuracy

WAAS L1/L2: horizontal RMS < 1 m (40 in)

CDGPS: horizontal RMS < 0.8 m (35 in)

OmniSTAR HP: horizontal RMS < 0.10 m (5 in)

OmniSTAR VBS: horizontal RMS < 1.2 m (50 in)

Performance

- Data Rate: Up to 20 Hz
- Time to First Fix
 - Cold Start: 50 s
 - Warm Start: 40 s
 - Hot Start: 30 s
- Signal Reacquisition
 - L1: 0.5 s
 - L2: 1.0 s

Physical Characteristics

Front panel LCD and control panel

Size: 53 x 144 x 210 mm (2.1 x 5.7 x 8.3 in)

Weight: < 1.3 kg (3 lbs)

Environmental/Operating Conditions:

Operating Temperature: -45o C to +85o C

Humidity: < 95% non-condensing

Acceleration: 4 g

Power

Operating voltage: 9 to 24 VDC

Consumption: < 5 W at 12 VDC

Connectors: (2) RS-232 I/O, TNC antenna,
4 pin power connector

Raven Industries, Inc.

Flow Controls Division

P.O. Box 5107 • Sioux Falls, SD 57117-5107

1-800-243-5423 • www.ravenprecision.com

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