

Honeywell

SIMPLIFIED SURVEY SYSTEM (U.S. ARMY AN/PSN-14)

The world's best value, precision survey system – based on the proven TALIN™ Inertial Land Navigator



Providing Continuous Accurate Survey Position, Altitude and Azimuth Information on Any Vehicle

Simplified Survey System Benefits

- One-half the size of other fielded inertial survey systems
- One-third the weight of other fielded inertial survey systems
- One-third the power consumption of other fielded inertial survey systems
- The right choice for today's military survey requirements
- Available today via NSN 6675-01-537-8990 / DLA contract SPRRA2-11-D-0032

System Components

Honeywell TALIN™ Inertial Land Navigator

- Uses Honeywell's proven solid-state sensors
- Demonstrated performance based on over 15,000 systems from the TALIN family fielded on more than 60 platforms worldwide
- TALIN is the U.S. Army's standard navigation system – >15 National Stock Numbers

Military Control Display Unit (CDU)

- Fielded to the U.S. Army and international military customers
- Hand-held for easy data entry
- Adjustable brightness for day and night operations
- Artic glove and MOPP IV compatible

Honeywell Precision Survey Software

- Menu structure designed with user input for easy operator training
- Can use any of 118 different datums and stores Survey Control Points
- Has azimuth and position transfer capability

Printer

- Ruggedized printer for survey results

Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034
International: 1.602.365.3099
U.S. Toll Free: 1.800.601.3099
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Backup Battery

- Backup battery and charging circuit for power interruptions and vehicle transfers

Power Cable

- Vehicle power cable (uses STA-ICE connector)

System Features

Size

- 24" L x 16" W x 8" H
- Volume: less than 1.8 cubic feet

Weight

- Total system weighs less than 48 pounds

Power Requirements

- 56 watts
- Normal Power: 28 Vdc

Performance*

- 15 minute alignment
- Position: 7 meters CEP with 10 minute zero velocity updates
- Altitude: 3 meters PE with 10 minute zero velocity updates
- Optical Transfer Azimuth: 0.7 mils RMS
- Two-Position Azimuth: 2.0 mils RMS

*Valid for latitudes of 65 degrees South to 65 degrees North

Reliability

- Built around TALIN demonstrated MTBF of >50,000 hours
- Designed for streamlined two-level maintenance: operator/organization and depot

Vehicle Requirement

- 28 Vdc, 2.0 amperes
- No unique vehicle requirements
- Can be easily used on any vehicle

Environment

- Designed for rugged military environments