The Complete Package
Hemisphere GNSS supplies surveyors with the complete survey solution. Our survey kit comes with:

- 2 x S320 Receivers
- 1 x XF3 Data Collector (with Pole Bracket)
- 1 x Carlson SurvCE Field Survey Software License (XF3 uses v4.0 or higher)
- 4 x Batteries + 2 x Battery Chargers
- 1 x Durable Carrying Case
- Radio Antennas + Communication and Power Cables
S320 GNSS Survey Receiver

GPS Receiver
Receiver Type: Multi Frequency GNSS
Positioning Modes: RTK, L-band DGNSS, SBAS, External RTCM, Autonomous
Channels: 270
RTK Formats: CMR, CMR+, RTCM3, ROX
Recording Interval: Selectable from 1, 2, 4, 5, 10 Hz (20 Hz available)

Performance
RTK: RMS (67%) 2DRMS (95%)
Horizontal: 8 mm + 1 ppm
Vertical: 15 mm + 1 ppm
Static Performance: 3 mm + 0.5 ppm
DGPS Performance: 0.3 m
SBAS (WAAS): 0.3 m
Autonomous, no SA: 1.2 m

Satellite Tracking
GPS: L1C/A, L1P, L2P, L2C
GLONASS: L1C/A, L1P, L2P, L2C/A
SBAS: MSAS, WAAS, EGNOS, GAGAN

Communication
Bluetooth: Dual Port
Radio and GSM Options: Integrated
1 x GSM/GPRS
1 x S5 900 MHz or UHF Range: 400 MHz
CDMA capable

User Interface
LED Display: 8 status LEDs
Buttons: On/Off, function select
Data Storage: Removable SD/SDHC card, USB flash drive
Ports
1 x Power Input (2-pin circular)
1 x RS232 (9-pin circular, multi-use)
1 x RS232 (DSUB 9-pin)
1 x Radio Antenna Connector

Environmental
Operating Temperature: -40°C to +70°C (-40°F to +158°F)
Storage Temperature: -40°C to +85°C (-40°F to +185°F)
Humidity: Up to 100%
Enclosure: IP67, EP455, waterproof, dustproof
Shock: 2 m (6.56') pole drop

Power
Battery: 2 x Li-ion 5.2 Ah total, 7.4V (10-hour hot swappable battery life)
External Voltage: 9 to 32 VDC

Mechanical
Dimensions: 114 mm H x 197 mm D (4.49" H x 7.76" D)
Weight: 1.51 kg (3.33 lbs)
Material: Lexan™ EXL resin

* Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activity
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Authorized Distributor:

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