

Designed to control data collection for a wide variety of Sokkia systems, the SDR 8100 is an advanced data survey system that fits in the palm of your hand. The adaptive capability of the SDR 8100 is so intuitive you would think it had a mind of its own.

- Don't be fooled by its sleek exterior - it can take on any GPS surveying task. The SDR 8100 is designed to work with a variety of Sokkia GPS survey products, including Radian IS and Radian hardware platforms.
- You might consider taking on more GIS data collection tasks. Designed to work with a wide range of Sokkia GIS hardware platforms, such as Axis and Axis³ products, the SDR 8100 provides endless flexibility for complete mobility.
- Perfect GIS data collection - every time. Compatible with a variety of Sokkia GIS software, including Midas, Midas LITE, g2 and IMap, the SDR 8100 closes the gap between data collection and post-project analysis.
- Confidence to perform under pressure with a full range of Sokkia sensors. The SDR 8100 is the perfect partner for total stations that use infrared technology.
- Levels the playing field and handles as if connected to the job. The SDR 8100 adapts easily to most digital levels.



Ruggedness/Data Security

- Processor — RISC processor
- Memory — 16MBRAM /12 MB of flash ROM
— additional storage via PC card

Communication

- Communication — 2 x RS 232 Serial ports
— IrDA port

System Advancements

- PC Slot Card — User Accessible Compact Flash
— Internal Type 2 PCMCIA slot for applications
- Physical — 3.75" x 8.5" x 1.8"
— weight is 14 oz. with batteries

Battery Life

- Rechargeable Lithium-Ion battery
— Backup battery for data protection

Display/Keyboard

- Display — Transflective monochrome backlit screen
— 320 x 240 pixels on Portrait screen
- Keyboard — Intelligent keyboard grouping for efficient data collection
— Backlit keypad
— 40 key Alphanumeric

Environmental

- Environmental — IP54 (windblown dust and rain)
- Operating Temperature — -4° F to +122° F
- Storage Temperature — -13° F to +122° F

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SDR 8100



Combine its sleek ergonomic design with seamless software compatibility and you've got the SDR 8100. The SDR 8100 is as unique as a fingerprint, and is compatible with a wide range Sokkia hardware and software products.



Control and Flexibility

By combining a progressive keyboard layout with a power-packed rechargeable lithium battery, the SDR 8100 provides precise data collection. Windows® CE provides unlimited compatibility with a wide variety of Sokkia software and hardware.



SDR 8100

- Handstrap for secure handling
- Port for serial communication
- Speaker microphone for sound capture and playback
- Serial cable latch that attaches to the bottom of the terminal prevents serial connection breakage in the field
- Screen and keyboard back lighting that can be individually programmed to turn on and off saves power
- Two levels of brightness for clear picture



SDR LEVEL 5 CE

Built upon a wealth of experience with the SDR2, -22, -24 and -33 series Electronic Field Books, the SDR Level 5 CE software combines the familiar SDR functionality with the versatility of a CE-based platform.

The SDR 8100 takes readings by performing several kinds of offsets, and increases the accuracy of your survey by taking multiple observations to a point and calculating inherent error and corrected calculations. It can also set out a design or double-check a location against another version of the design.

- **Topography** — Collects data on physical elements within an area and uses it for a variety of different surveys, including boundary, cadastral (plat), contour and two- and three-dimensional
- **Roading** — Includes surveying, defining and setting out a road
- **COGO** — Manages Coordinate Geometry to calculate distances, azimuths and coordinates separately from traditional SDR methods

SOFTWARE

The SDR 8100 is the perfect tool for many facets of modern surveying. Microsoft's Windows CE software makes the SDR 8100 compatible with a wide range of Sokkia software, including the g2 and IMap.

- Electronic Total Station (ETS) and Real Time Kinematic (RTK) data reside in the same survey job and can be calibrated to the same coordinate system.
- Combines traditional SDR functionality with seamless GPS RK capabilities with an intuitive Windows CE platform
- Graphical display of satellite status in GPS mode
- Compatible with the complete range of Sokkia instruments
- Increases efficiency of your instrument for traversing, topographic surveys, setting out and leveling
- Advanced roading options enable you to define horizontal and vertical road alignments, or load the alignments from a computer
- A graphical set-out screen to make layout easier and faster
- A MAP view of recorded points to allow easy orienting in the field
- Interface with desktop software to design packages, such as MapVista, I2D and (software being used in Europe).

