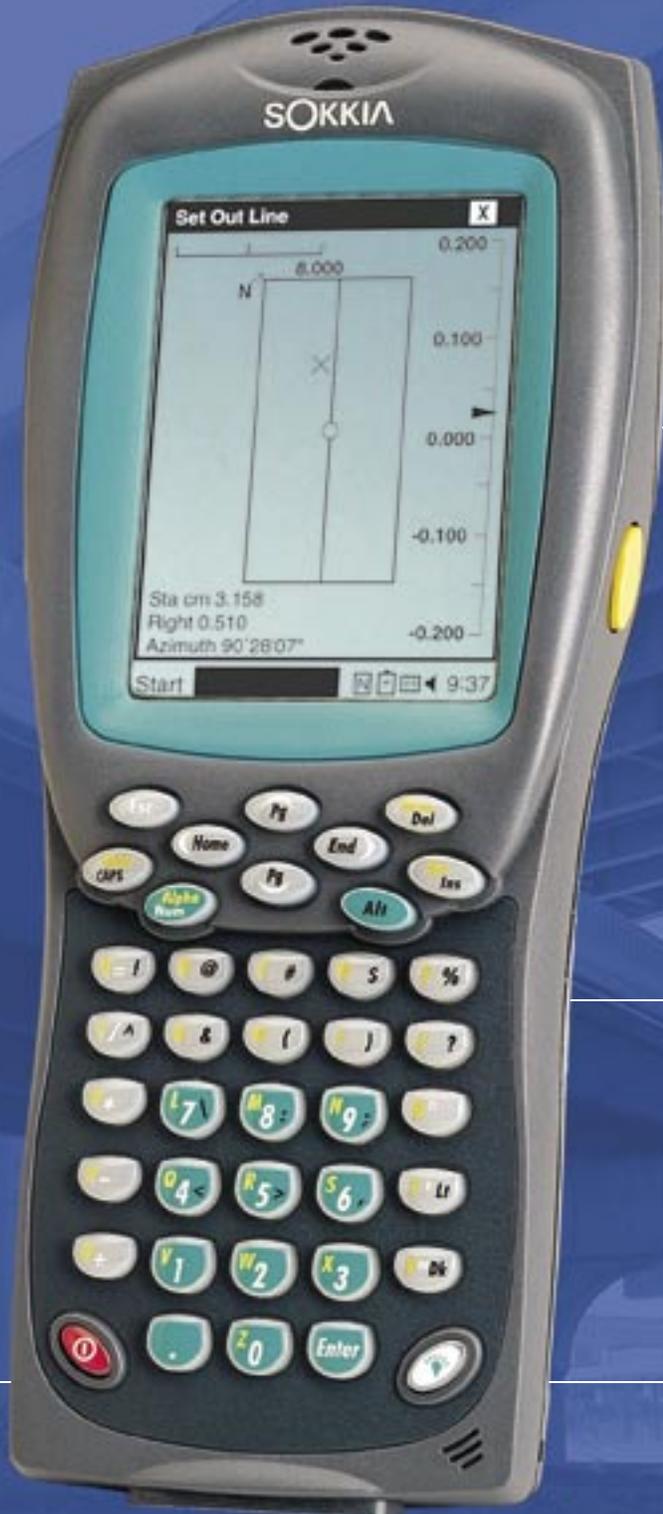


# SOKKIA

# SDR8100

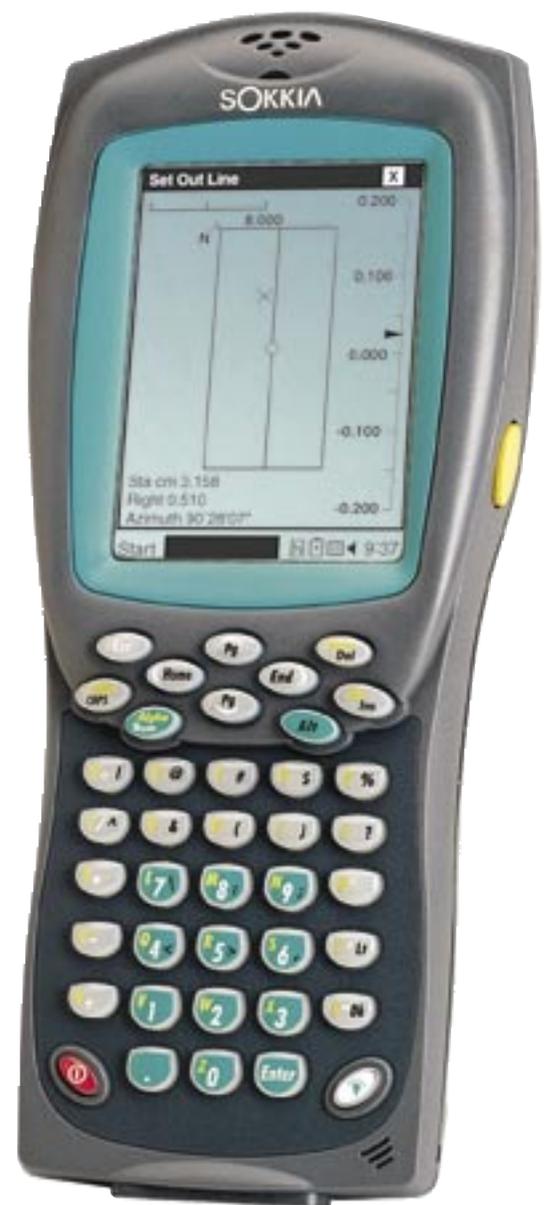
Data Collection Platform



# The SDR8100

The SDR8100 provides precise data collection by combining a progressive keyboard layout, high-contrast touch-screen interface and powerful, intelligent software. It uses a Windows® CE operating system – the standard in handheld PC platforms. Not only does it handle a variety of Sokkia software with Windows® CE, the SDR8100 provides the freedom to run standard application software on a Windows® CE platform.

- One-handed measurement and data collection with ergonomic triggers and one-button operation
- Lightweight, yet rugged 14-ounce packaging for easy use in the field, on a rod, or mounted on a tripod
- Touch screen interface provides easy access to data, commands and graphical views
- Provides enough memory and battery power for a full day's work in the field
- Customize your setting configurations
- Easy reading in any lighting conditions with multiple levels of contrast control



## Applications

The SDR8100 can connect to them all. Designed to interface with products ranging from high-end GPS receivers to construction-level total stations, the SDR8100 provides a powerful link to a wide variety of systems.

- **Don't be fooled by its sleek exterior - it can take on any GPS surveying task.** The SDR8100 works with many GPS survey products, including Sokkia's Radian IS and Radian receivers.
- **Perfect GIS data collection - every time.** Designed to work with GIS systems, including Sokkia's Axis<sup>3</sup> and Axis receivers, the SDR8100 provides endless flexibility for complete mobility.
- **Confidence to perform under pressure.** The SDR8100 is the perfect partner for your total station.
- **Level the playing field.** The SDR8100 works easily with many digital levels.



# SDR Level 5

Built on a wealth of experience with the SDR 2, 22, 24 and 33 series Electronic Field Books, the SDR Level 5 CE delivers multiple options in a single package.

The SDR's full functionality increases your productivity, offering topographic survey, stake out, roading and coordinate geometry (COGO) options.

The industry-standard SDR file format provides instant compatibility with most desktop software packages today. Combine the familiar SDR functionality with the versatility of a CE-based platform, and the SDR Level 5 CE cuts through the clutter.

It's hard to find a survey operation or project that can't be handled. The SDR Level 5 CE is the link between you and any job.

- **Prepare for the job.** Successful surveys begin before you get to the job site. Preload an existing job and information for the day ahead with SDR's familiar and intuitive workflow.
- **Do the job.** The SDR leads you through each step of the setup process simply and easily. Before you know it, you are ready to take readings and perform topography, stake out, roading and COGO surveys.
- **Finish the job.** Finishing the job means transferring your day's work to your desktop computer, or to your printer. Because the data collector is not restricted to just one package, the SDR gives you ultimate flexibility, which translates to your bottom line.



Designed with you in mind

# SDR8100 Specifications

<b>Processor</b>	NEC 4121 MIPS Processor rated @ 131 MHz
<b>Memory RAM/ROM</b>	16 MB of RAM and 16 MB of flash ROM Additional storage via PC card
<b>Communication</b>	2 x RS 232 Serial ports IrDA 1.1; RS-232
<b>PC Slot Card</b>	User Accessible Compact Flash Protected from the environment located behind the batteries Internal Type 2 PCMCIA slot for applications
<b>Physical</b>	216 mm x 95 mm x 46 mm (8.5 in x 3.75 in x 1.8 in)
<b>Battery</b>	1400 MAh rechargeable Lithium-Ion battery Backup battery for data protection Battery power for more than 20 hours when recharged for 2.5 hours
<b>Display</b>	High-contrast transfective monochrome backlit screen 320 x 240 pixels on portrait screen with 16-level gray scale Touch Screen interface
<b>Keyboard</b>	Intelligent keyboard grouping for efficient data collection Backlit keypad 40 key Alphanumeric
<b>Environmental</b>	IP54 (windblown dust and rain)
<b>Operating Temperature</b>	-20° C to 50° C (-4° F to 122° F)
<b>Storage Temperature</b>	-25° C to 50° C (-13° F to 122° F)

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