



# SCT6

## Construction Total Station

# Sokkia Construction Total Station

Meeting construction needs through customized design and durable craftsmanship.

The SCT6 is a six-second angular accuracy Total Station capable of measuring to prisms and reflective sheets. Every aspect of the Sokkia SCT6 is designed with the job in mind, helping you finish it faster, easier and safer.

### Simple Operation

By eliminating complex and confusing terms, the SCT6 will make you and your crews more efficient. The SCT6 has simplified menus and commands, written in terms even the occasional user can understand. This will reduce training time for your crews—they will get to work faster and get the job done on time.

### Rugged Design

The SCT6 is designed for the everyday job site, where wind, dust and rain are just part of the average day. Based on the proven Series 10 design, the SCT6 carries an industry-leading IP66 dust-proof and water-proof rating, and has a wide temperature working range. The energy-saving design uses lithium-ion rechargeable batteries, capable of running nearly eight hours on a single charge.

### Wireless Ready

The SCT6 incorporates **Bluetooth** wireless technology, eliminating the need to connect a cable to a wireless-enabled datalogger or desktop PC.

### Job Site Safety

The SCT6's high-quality optics make it possible for you to see the target quickly, and the new high-visibility yellow paint scheme helps others on the job site to see you. The bright safety yellow helps you to stand out in a crowd of trucks, tools and machines.



## SCT6 System Specifications

Telescope	Magnifications	26x
	Resolving Power	3.5"
Angle Measurement	Encoder	Absolute rotary encoder, diametrical detection
	Display Resolution	1" / 5" (0.2 mgon/1 mgon)
	Accuracy	6" (1.9 mgon)
Distance Measurement		
Range	with one prism	7,870 ft. (1 m to 2,400 m)
	with three prisms	10,160 ft. (1 m to 3,100 m)
	with reflective sheet	390 ft. (2 m to 120 m)
Accuracy (Fine)	with prism	2 mm + 2 ppm
	with reflective sheet	4 mm + 3 ppm
Measuring Time	Fine	Every 1.6 sec. (initial 2.8 sec.)
	Rapid	Every 0.8 sec. (initial 2.3 sec.)
	Tracking	Every 0.3 sec. (initial 1.8 sec.)
Data Storage and Transfer	Capacity	Approx. 10,000 points
	Interface	Asynchronous serial RS-232C compatible. Baud rate: 1200 to 38400 bps <b>Bluetooth</b> is available.
Control Panel		One on face
LCD		Alphanumeric/graphic dot matrix LCD, 192 x 80 dots, with LED backlight and contrast adjustment function in 16 steps
Keyboard		4 soft keys and 11 keys
Optical Plummet		Magnification: 3x, Minimum focus: 0.98 ft. (0.3 m)
Sensitivity of Plate Level		40"/2 mm
Sensitivity of Circular Level		10'/2 mm
Dust & water resistance		IP66 Dust and Water Resistant
Tribrach		WA100 detachable type
Battery		BDC46A (Li-ION 1800mAh) x 1 pc
Working duration (at 25° C / 77° F)		About 7.5 hrs. (900 pts) for single measurement every 30 sec. About 10 hrs. for angle measurement only
Resume Function		Yes
Weight		11.3 lbs. (5.1 kg)

Designs and specifications are subject to change without notice.

The SCT6 comes with a BDC46A Li-Ion battery, CDC68 charger, plumb bob, manual and carrying case.