

# Trimble Sets New Standards for Total Stations with its Revolutionary new S6

**T**he first S6 to be seen in the country, pictured at right is the latest total station offering from Trimble, the result of several years' development and several million dollars spent on research.

There are so many strong features in this instrument that it's hard to know where to start.

## Revolutionary Mag Drive, Totally Wireless

Never seen before in a total station, the S6 dispenses with motors and harnesses magnetic induction drive, used in European trains that get along at 300 clicks. It silently spins the instrument through 180 degrees in three seconds, a reduction of eighty percent. Mag drive also contributes to exceptional angle sensor performance, whilst dramatically reducing power consumption, so the unit won't need a battery change for five or six hours.

Note the radio built into the unit itself, and the complete absence of cables to snag or break down. Courtesy of Bluetooth, the S6 is totally wireless, even in robotic mode. There's no external battery, so all weak points have been eliminated.

## Monitors and Adjusts its own Position

It's fashionable these days to come up with buzzwords to describe special features, and the S6 doesn't disappoint with its SurePoint and MultiTrack. But if you prefer the KISS approach, these strengths of the S6 boil down to, "I always know where I am, and I always know where you are."

Target ID (MultiTrack) is not new to Trimble, and with the S6 rover you can choose up to eight IDs—in a crowded work environment you are assured that you're reading the correct one. As for knowing its own true position, the remarkable innovation that Trimble calls SurePoint will automatically compensate for tripod

sinkage, vibration and handling that can affect an instrument after it's been set up. Even a slight jolt caused by tapping too vigorously on a controller key will be corrected. This automatic pointing function will monitor and adjust the effects of tilt axis and collimation so you can keep working with speed and confidence.

## One Controller Does All, Software re-Written

Using a "one controller does all" philosophy, the all-new keyboard will also handle GPS receivers and runs TSC software upgraded from version 10 to version 11. The difference is like chalk and cheese—this is a complete software re-write, aimed at user-friendliness.

The S6 is upgradable from servo to autolock to robotic. At this initial release stage it has yet to mature as a machine control total station, and being a publicly listed American company with



limitations on what it can say before a product is released, Trimble is being coy. But if you have some money to put on the S6 *not* being married within a couple of months to the upcoming new-generation GCS system for motor graders, *MovingDirt* will be very happy to lay off your bet.

Contact your local state office of *Ultimate Positioning* for further information on the Trimble S6. 

