

Portfolio of Optical Survey Solutions

Spectra Precision has introduced new additions to its Spectra Precision Focus line of optical survey solutions. With the new additions, survey and construction professionals have more positioning instrument choices to meet their job requirements. The announcement was made at the Spectra Precision - Nikon Worldwide Distribution Conference held in Frankfurt (Germany). The Spectra Precision Focus line is to be showcased in Karlsruhe (Germany), at Intergeo 2009.

The Spectra Precision Focus 30 is a robotic total station providing high speed, accuracy and precision in measurement. The robotic instrument moves the power of the observer from the instrument to the range pole, improving efficiency. The speed of observation and precise positioning of the Focus 30 Robotic Total Station is provided by StepDrive motion technology, which controls the horizontal and vertical motion of the motors, eliminating the need for traditional motion locks. The instrument includes a tracking sensor that uses LockNGo tracking technology, enabling the instrument to constantly lock onto the prism. The Focus 30 is available in 2", 3" or 5" accuracies and is controlled by the Spectra Precision Survey Pro field software using an onboard Windows CE touchscreen interface.

The Spectra Precision Focus 8 Mechanical Total Station features the Windows CE operating system, world-class Spectra Precision Survey Pro field software, superior quality optics and components. The device is equipped with a dual-face display and a touchscreen that improves data workflow speed to access menus and software modes for fast everyday data management. The large graphic display uses features such as different font sizes, icons, and pop-up menus to make the system intuitive and easy to use for maximum efficiency. The total station 8 is available in 2" and 5" accuracies. Both models support Bluetooth communication to external data collectors and come standard with a traditional optical plummet that can be upgraded to a laser plummet.

The Spectra Precision Focus 6 Mechanical Total Station offers superior quality optics and components. It is a fast-measuring device in both prism (0.8 sec) and reflectorless (1.0 sec) modes for improving day-to-day field operations. The Spectra Precision FOCUS 6 interface is intuitive and user friendly. The total station can be used with a Spectra Precision Ranger, Nomad, or Recon data collector running Spectra Precision Survey Pro field software. The tough, water resistant and small design is portable for a wide range of surveying jobs. The integrated Bluetooth option can be used to assist with communications to external data collectors and come standard with a traditional optical plummet that can be upgraded to a laser plummet.

Spectra Precision also made an addition to the data collector family: the full-keyboard and ergonomic Spectra Precision Ranger. The Ranger delivers durability which meets rigorous MIL-STD-810F military standard for drops, vibration, humidity and extreme temperatures. With an IP67 rating, it is protected from water and dust to keep data safe. The Ranger, running Spectra Precision Survey Pro and Windows Mobile 5.0 software, has the capability to run Excel and Outlook as well as other mobile applications. Integrated wireless capabilities allow surveyors to connect to field equipment without the use of bulky cables. With CF and SD slots, users can add multiple accessories and increase data storage. The data collector is available in three models: the powerful 500X, the economical 300X with expansion slots, and the basic NX. The 500X is also supported with a 2.4 GHz robotic radio that can be used with the Focus 30 Robotic Total Station.