

FOCUS 35

- 1", 2", 3", and 5" angle accuracy
- Spectra Precision Survey Pro™ or Layout Pro field software
- GeoLock™ GPS assist technology
- StepDrive™ motion technology
- LockNGo™ advanced tracking technology
- Windows CE touchscreen
- Ultra lightweight at only 5 kg (11 lb)
- 2.4 GHz interference-free radio
- Spectra Precision Ranger 3RC or 3XR data collectors optional
- FOCUS 35 RX extended operation models feature market-leading 12 hour battery life



The powerful Spectra Precision FOCUS® 35 Total Station is a fully robotic motorized solution provides improved speed, accuracy and precision in measurement. A robotic instrument moves the power of the observer from the instrument to the range pole, improving the quality of your work.

All robotic instruments include:

- a motorized drive system at the instrument
- a tracking sensor to track the range pole and prism
- a communication connection between the instrument and range pole and prism

The speed of observation and precise positioning of the FOCUS 35 robotic total station is provided by patented StepDrive motion technology. Included in all models, the StepDrive motors control the horizontal and vertical motion, so there is no need for traditional motion locks. Using the motorized drives it is possible to precisely turn to, and repeat, angle measurements. This results in quick and reliable measurements which substantially increases your staking productivity.

The Robotic, RX and LockNGo FOCUS 35 models include a tracking sensor that uses LockNGo tracking technology enabling the instrument to constantly lock onto

the prism. The benefit of LockNGo is the ability to follow the prism at all times and reduce downtime from not having to re-point the instrument on every observation.

To maintain contact between the FOCUS 35 instrument and the remote observer with the range pole and prism, the robotic solution must include a communication link. The FOCUS 35 Robotic and RX uses an integrated 2.4 GHz radio modem, as does the Spectra Precision Ranger 3 data collector. The 2.4 GHz radio modem provides interference-free robotic data communications.

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Total Station

Once your robotic communications have been established you can control all the functions of the FOCUS 35 from the range pole as you move through the jobsite making measurements. This makes it possible for a single surveyor to perform high accuracy stakeout or topographic surveys by themselves. From high-order control surveys to topographic data collection or fast-paced construction stakeout, you can rely on a FOCUS 35, even in harsh outdoor conditions.

The FOCUS 35 total station is combined with Spectra Precision Survey Pro field software, to provide you with world class software solutions for any surveying situation. An example of these features includes a unique robotic software technology that can be used when associating the FOCUS 35 with a low-cost GPS receiver and Survey Pro software. This combination of technologies allows the user to take full advantage of the Spectra Precision GeoLock technology to keep locked on target.

The Spectra Precision GeoLock technique allows a robotic total station to perform an aided search for an optical target using an initial GPS position. The remote instrument can then be directed towards the robotic roving operator using the GPS position and a subsequent search is quickly performed to re-acquire the target at the robotic rover. This technique greatly reduces wasted time, improving your field work efficiency.

Spectra Precision Layout Pro software and the FOCUS 35 together offer the

convenience of carrying, managing, editing, and laying out your job site blueprint. This combination is a critical tool in the field of construction layout and is designed to make the layout process more productive, accurate and reliable. For example, use Layout Pro to guide the layout of the major points, add string dimensions on the print, as well as calculate diagonals and angles.

The FOCUS 35 robotic solution is best described as Simply More Powerful. Packaged in a modern, sleek, and streamlined design, it is easy-to-use, affordable and tough. FOCUS 35 Total Stations are designed to meet all your surveying needs.

MODELS OVERVIEW

	StepDrive motion	LockNGo tracking	GeoLock	2.4 GHz radio	Onboard data collection
Robotic	Standard	Standard	Standard	Standard	Standard
RX	Standard	Standard	Standard	Standard	N/A
LockNGo	Standard	Standard	N/A	N/A	Standard
StepDrive	Standard	N/A	N/A	N/A	Standard