

NS30 ROBOTIC TOTAL STATION, THE ULTIMATE ONE-MAN SYSTEM

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With the excellent HYPER Drive Servo Technology and Zigbee Long-link module, NS30 can easily cope with remote control of one-man survey system and also adapt to all-weather monitoring projects; combined with Android onboard system, SOUTH NS30 will realize more possibilities in industrial applications. Benefit from the high accuracy 1" and 1mm+1ppm, NS30 has obvious advantages in high-precision projects such as high-speed railways, subways, bridges, and tunnels.

1 - APR (Auto Prism Recognition) + Prism Search

Blessed with the APR function, surveyor doesn't need for precise aiming on the prism by eyes any more; within the range of 1.5m-1200m, you only need to turn the EDM to the vicinity ($\pm 1.5^\circ$) of the prism when measuring, it can be automatically corrected to the prism center.

Once Prism Search is activated, the NS30 starts to rotate in horizontal direction 360° by anti-clockwise direction, then next in vertical direction $\pm 18^\circ$ to find the prism and targeted to prism center precisely in the distance range of 1.5m-300m. It reduces aiming operation error by the surveyor, ensures the accuracy of the measurement data.

2 - LocknTRack + One-man Field Survey System

When enable the LocknTRack function, NS30 will quickly lock the prism ID and track the moving prism. It flexibly respond to various environments, and significantly improve the efficiency of survey and stakeout.

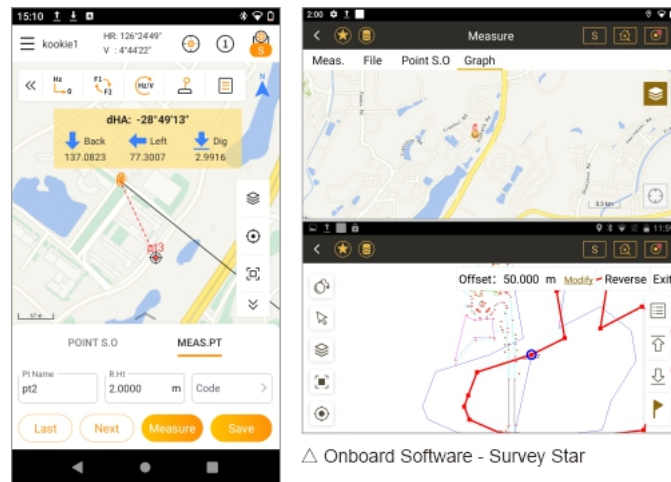
Powered by Zigbee technology, NS30 has a stable connection for remote control within the range of 450m to connect with H6 Plus Controller. One prism operator can complete the survey work, saving manpower also saving field working time, improving efficiency greatly.



3 - Powerful Onboard Software - Survey Star

NS30 equipped with Android 11 system and comes pre-installed with the powerful Survey Star software onboard. The Survey Star offers a graphic display of the survey elements on the base map, it also support the CAD stakeout with DWG, DXF files.

Using Survey Star Pilot on H6 Plus Controller, surveyor can setup the station, collect the points data and stake out flexibly as an one-man survey system, which is fast, flexible and powerful for your daily tasks.



△ Onboard Software - Survey Star

△ Controller Software - Survey Star Pilot