

PRODUCT UPDATE

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SOKKIA Introduces Automated 3-D Station “NET1”

SOKKIA is proud to release the **NET1** automated 3D station, offering enhanced measurement efficiency for industrial, construction and deformation monitoring applications. **NET1** incorporates the latest total station technologies - auto-pointing, auto-tracking, reflectorless measurement and wireless control to greatly increase efficiency in a wide range of applications.

The 3D Station can automatically search and point to prisms and reflective sheets with an auto-pointing range of up to 1,000m (3,280ft.) using prisms. A dedicated auto-pointing algorithm allows it to accurately sight the target closest to the telescope center, even if multiple prisms and other reflective objects are in the telescope's field of view. This new algorithm is indispensable for automatic deformation monitoring applications where the fixed targets are repeatedly measured in pre-determined intervals.

NET1 has 1" (0.0003gon / 0.005mil) angle accuracy. The minimum display resolutions are 0.5" (0.0001gon / 0.002mil) and 0.0001m / 0.001ft. SOKKIA's advanced phase-comparison method EDM realises a high distance accuracy of (1 + 1ppm x D) mm with reflective sheets and (1.5 + 1ppm x D) mm using prisms. An extended measuring range up to 300m (980ft.) with reflective sheets, 3,000m (9,800ft.) with a single prism and a reflectorless range of 200m (650ft.) further increases measurement capabilities on large scale construction and mining sites.

Features :

- Remote control with Bluetooth® Wireless Technology
- Four different measurement modes : Manual; Tracking / Auto-tracking; Seeking / Auto-pointing; Scanning
- Ease of use with Windows CE and an easy-to-use touch screen
- Built-in target illumination
- Integrated with Spatial Analyzer
- IP64 dust-water protection

