# NIKON TOTAL STATIONS

Precision Laser & Instrument, Inc.
www.laserinst.com

Nikon

## COMPARISON FLYER

Designed to meet the needs of surveyors around the world, Nikon delivers maximum precision, reliability and affordability.

Nikon surveying equipment provides optimal workflow efficiencies using proven technology in a range of mechanical total stations.

All Nikon equipment is backed by the great service and dealer support you trust from Nikon.

**NIKON  IS BUILT TOUGH FOR ALL OCCASIONS.**











# SPECIFICATIONS

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| Feature | Nikon XF HP | Nikon XF autofocus | Nikon XS autofocus | Nikon N | Nikon K |
|---|---|---|---|---|---|
| Onboard Field Software | Survey Pro, Layout Pro, Survey Basic | Survey Pro, Layout Pro, Survey Basic | Nikon Onboard | Nikon Onboard | Nikon Onboard |
| Autofocus | No | Yes | Yes | No | No |
| Angular Accuracy | 1", 2", 3" or 5" | 1", 2", 3" or 5" | 1", 2", 3" or 5" | 2" or 5" | 2" or 5" |
| EDM: Mode(s) | Prism and Reflectorless | Prism and Reflectorless | Prism and Reflectorless | Prism and Reflectorless | Prism |
| EDM: Prism Range | 3000 m | 5000 m | 5000 m | 4000 m | 4000 m |
| EDM: Prism Accuracy | ± (1 mm + 1.5 ppm) | ± (2 mm + 2 ppm) | ± (2 mm + 2 ppm) | ± (2 mm + 2 ppm) | ± (2 mm + 2 ppm) |
| EDM: Reflectorless Range | 500 m | 800 m | 800 m | 600 m | N/A |
| EDM: Reflectorless Accuracy | ± (2 mm + 2 ppm) | ± (3 mm + 2 ppm) | ± (3 mm + 2 ppm) | ± (3 mm + 2 ppm) | N/A |
| EDM: Measurement Principle | Phase Shift | Time of Flight | Time of Flight | Time of Flight | Time of Flight |
| EDM: Spot Size | Very small | Standard | Standard | Standard | Standard |
| EDM: Measurement Interval<br>Precise Prism mode, repeat measurements | 1.6 s | 1.0 s | 1.0 s | 1.1 s | 1.1 s |
| Laser Pointer | Yes | Yes | Yes | Yes | No |
| Plummet Type | Optical | Optical option for all models,<br>Laser option for 2",3",5" | Optical option for all models,<br>Laser option for 2",3",5" | Optical | Optical |
| Tangent Type | Locking | Locking | Locking | Locking | Locking |
| Display(s) | Dual Color Touchscreen | Dual Color Touchscreen | Dual monochrome | Dual monochrome on 2" model,<br>Single monochrome on 5" model | Dual monochrome on 2" model,<br>Single monochrome on 5" model |
| Memory | 512MB RAM+4GB | 512MB RAM+4GB | 50,000 Points | 50,000 Points | 50,000 Points |
| Tracklight | Yes | Yes | No | No | No |
| Reticle Illumination | Yes | Yes | No | No | No |
| Number of Batteries / Hot-Swappable | 2 Hot-swappable | 2 Hot-swappable | 2 Hot-swappable | 1 | 1 |
| Battery Life<br>Distance/Angle measurement every 30 s | 18h | 12h (AF every 30s) | 18h (AF every 30s) | 14h | 14h |
| Weight including battery/ies | 10.1 lb (4.6kg) | 9.9 lb (4.5kg) | 9.9 lb (4.5kg) | 11.0 lb (5.0kg) | 11.0 lb (5.0kg) |
| IP Rating | IP66 | IP66 | IP66 | IP55 | IP55 |
| Phone App Compatible | Android | Android | Android* | Android and iOS | Android and iOS |
| Integrated Bluetooth | Class 1, Long Range | Class 1, Long Range | Class 2 | Class 2 | Class 2 |
| RS232C | Yes | Yes | Yes | Yes | Yes |
| USB Port | 2 (host and client) | 2 (host and client) | 1 (host) | No | No |

*Total station firmware update may be required

**For more information including full specification details and sales contacts, please visit spectrageospatial.com**

Specifications subject to change without notice.

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