

# NIKON TOTAL STATIONS



## 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



| Feature                                                              | Nikon XF HP                          | Nikon XF <small>autofocus</small>                           | Nikon XS <small>autofocus</small>                           | 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](https://spectrageospatial.com)

Specifications subject to change without notice.

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