

NXR SERIES TOTAL STATION



Laser Scanner Function

- Faster 300m Reflectorless EDM
- Up to 2300m on Reflector Card
- Download data to Android Devices
- Bluetooth data connection
- Compatible with control Softwares
- Automatic environmental correction
- Improved double absolute encoder
- Bigger memory for 20,000 points
- IP65 dust and water proof
- 2" angular accuracy

 **Bluetooth**

 **ANDROID**
file transfer

 **share!**

 **CERTIFIED USB**
Removable Memory

300M REFLECTORLESS EDM

2" ANGULAR ACCURACY

NXR SERIES TOTAL STATION

300M REFLECTORLESS EDM

Measurement Distance

Triple Prism:	6,000 m
Single Prism:	2,600 m
Reflector Card (3M Diamond 30x30cm):	2,300 m
Reflector Card (3M Diamond 6x6cm):	800 m
Reflectorless (White Eurocoat 3x3cm):	300 m

Range Finding

Reading:	Max: 99999999.9999m Min: 0.1 mm
Laser Pointer:	690nm red visible laser
Laser spot:	7 x 14mm/20m (ellipse)
EDM:	Coaxial Fiberless Plate Mount
Automatic Correction of Input Parameters:	Meteorological, Atmospheric Refraction, Earth Curvature

Angle Measurement

Measuring Mode:	Absolute Angle Encoder System
Minimum Display:	1"/5"/10", selectable
Detection Method:	Level Radial, Vertical Radial
Angle Measurement Accuracy:	2"

Level Vial Sensitivity

Plate Level:	30" / 2mm
Circular Level:	8' / 2mm

Compensation

Method:	Electronic automatic
Range:	+/- 3.5'
Resolving Power:	3"
Accuracy:	0.0001°

Plummet (options)

Laser Plummet:	Power: 0.1mw; Wavelength 635nm; effective range > 3m
Optical Plummet:	Multiple: 3x; Focus adjusting range: 0.5m; erect

Telescope

Objective Aperture (EDM):	Diameter 45mm
Magnification:	30x, 1°20' Field of View
Resolving Power:	4.0"
Minimum Sight Distance:	1.2 m (3.94 ft)

Mainframe

Screen:	Double screens, with 24 buttons
Display:	192 x 96 Pixels, Graphical aided, 7 lines x 32 Col.
Illumination:	Backlight
Internal Memory:	20,000 points
Data Port:	USB Memory, I/O, RS-232C UART, Bluetooth.
Operating Time:	9 hours on 1 battery.
Battery:	Rechargeable Lithium Ion Battery
Voltage:	7.4 VDC / 3,000 mAh
Dimensions:	160x150x330mm (WxDxH)
Weight:	5.2 kg (11.46 lbs)
Weather Proof:	IP65 Non Condensing
Operating Temperature:	-20°C to +70°C

Measurement Accuracy

Distance Measuring Accuracy - Single Prism	Prism accurate measurement: ± (2mm+2ppm • D) Prism track ± (5mm+2ppm • D) IR Reflector ± (5mm+2ppm • D)
Distance Measuring Accuracy - Reflectorless	Accurate measurement: ± (3mm+2ppm • D) No Prism track ± (5mm+2ppm • D)
Measuring Time - Single Prism	Prism accurate measurement < 1.2 s Prism track < 0.5 s IR Reflector < 0.7 s
Measuring Time - Reflectorless	Accurate measurement < 1.2 s No Prism track < 0.5 s

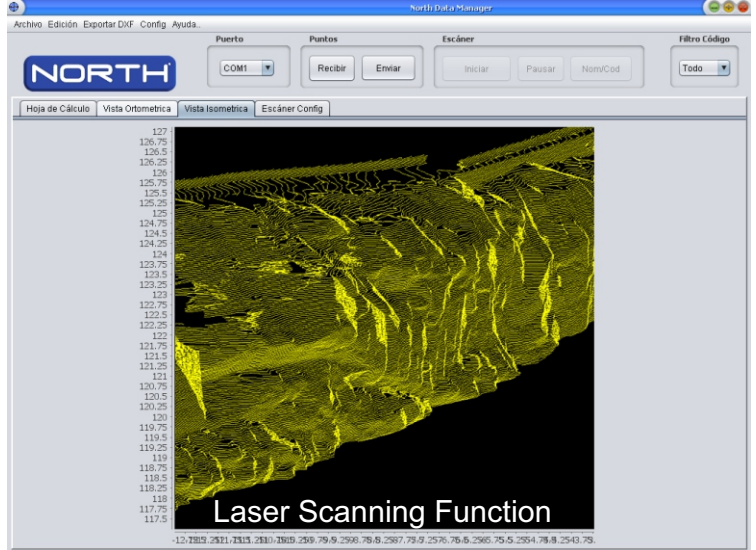
NXR Total Station SET Includes

- 1 NXR Heavy duty carrying case
- 2 Li-Ion rechargeable batteries
- 1 Battery charger
- 1 USB Data cable (Serial optional)
- 1 Cleaning Kit with field cover

Suggested Configuration

- 1 North NXR Set
- 1 Reflector Prism
- 1 Prism Pole
- 1 Total Station Tripod

- Specifications are subject to change without previous notice.
- This description may include typographical errors



Authorized Dealer: