



## Total Stations

- 2" and 5" accuracies
- Legendary Nikon optics
- Fast, accurate EDM
- Convenient and long-lasting rechargeable AA batteries
- Easy-to-use keypad
- Rugged and lightweight
- Linear focusing mechanism
- Bluetooth enabled

The Nikon DTM-322+ Total Station delivers an economic, versatile, and easy-to-use platform to make sure you get the job done right.

Nikon's legendary optics effectively allow in more light to give you brighter, clearer images. You'll see the difference when you look through a Nikon Total Station even in the low-visibility conditions typical in the field. You'll see much more detail and much less distortion, especially over longer distances. Better optics help you aim more precisely, and they're much easier on your eyes – something you'll really appreciate on long workdays.

The Nikon DTM-322+ Total Station is among the fastest total stations in its class, so you can move quickly through your routines and spend less time in the field. The DTM-322+ is rugged and lightweight – at 5kg (11 lb) including the battery.

Using rechargeable AA batteries, the DTM-322+ is designed to consume low power and provide the longest possible time in the field. Off-the-shelf AA batteries can also be used as a back-up to provide even longer life.

DTM-322+ is available in a 2" dual face model and a 5" single face model to meet your specific accuracy needs.

The Nikon DTM-322+ is built tough for all occasions.

# DTM-322+

NIKON PRODUCTS

SPECIFICATIONS	DTM-322+	
<b>DISTANCE MEASUREMENT</b>		
Range with Nikon specified prisms		
Good conditions (No haze, visibility over 40 km (25 miles))		
With reflector sheet (5 × 5 cm)	5 m to 100 m (16.4 ft to 328 ft)	
With single prism 6.25 cm (2.5 in)	2,300 m (7,540 ft)	
Normal conditions (Ordinary haze, visibility approx. 20 km (12.4 miles))		
With reflector sheet (5 × 5 cm)	5 m to 100 m (16.4 ft to 328 ft)	
With single prism 6.25 cm (2.5 in)	2,000 m (6,560 ft)	
Accuracy (Prism/Precise mode) <sup>1, 2</sup>	±(3+2 ppm × D) mm	
Measuring interval <sup>3</sup>	Precise mode	Normal mode
Prism mode	1.6 sec.	1.0 sec.
Least count (Precise mode/Normal mode)	1 mm (0.002 ft)	10 mm (0.02 ft)
<b>ANGLE MEASUREMENT</b>		
ISO 17123-3 accuracy (horizontal and vertical)	2"/0.6 mgon	5"/1.5 mgon
Circle diameter	88 mm (3.46 in)	
Horizontal angle	2"/Diametrical	5"/Single
Vertical angle	2"/Single	5"/Single
Minimum increment	Degree: 1/5/10"; Gon: 0.2/1/2 mgon; MIL6400: 0.005/0.02/0.05 mil	
<b>TELESCOPE</b>		
Magnification	33× (21×/41× with optional eyepieces)	
Minimum focusing distance	1.5 m (4.92 ft)	
<b>TILT SENSOR – TYPE</b>	Single-axis	
<b>COMMUNICATIONS – PORTS</b>	1 x serial (RS-232C)	
<b>WIRELESS COMMUNICATIONS</b>	Integrated Bluetooth	
<b>POWER</b>		
Clip-on rechargeable battery system	4x AA Ni-MH Battery	
Operating time <sup>4</sup>	approx. 15 hours (distance/angle measurement every 30 s.)	
<b>GENERAL SPECIFICATIONS</b>		
Level vials – Sensitivity of Plate level vial	30"/2 mm	
Sensitivity of Circular level vial	10"/2 mm	
Optical plummet		
Magnification	3×	
Focusing range	0.5 m (1.6 ft) to ∞	
Display	2"/Dual face, graphic LCD (128x64 pixel) 5"/Single face, graphic LCD (128 × 64 pixel)	
Point memory	25,000 records	
Dimensions (L x H x W)	168 mm × 173 mm × 335 mm (6.6 in × 6.8 in × 13.2 in)	
Weight		
Main unit (without battery)	4.8 kg (10.6 lb)	
Battery / Carry case	0.2 kg (0.4 lb) / 2.4 kg (5.3 lb)	
<b>ENVIRONMENTAL</b>		
Ambient temperature range	–20 °C to +50 °C (–4 °F to +122 °F)	
Atmospheric correction		
Temperature range	–40 °C to +55 °C (–40 °F to +131 °F)	
Barometric pressure	400 mmHg to 999 mmHg / 533 hPa to 1,332 hPa / 15.8 inHg to 39.3 inHg	
Dust and water protection	IP55	
<b>CERTIFICATION</b>	Class B Part 15 FCC certification, CE Mark approval, C-Tick.	

1 ±(3+3 ppm × D) mm –20 °C to –10 °C, +40 °C to +50 °C (–4 °F to +14 °F, +104 °F to +122 °F).

2 Standard deviation based on ISO 17123-4

3 Measuring time may vary depending on measuring distance and conditions.

4 Battery life specification at 25 °C (77 °F).