NIKON NPL-322+ SERIES





2" and 5" angle accuracies

Prism and reflectorless measurements

Fast, accurate EDM

Convenient and long-lasting Li-ion battery

Easy-to-use keypad

Rugged and lightweight

Bluetooth enabled

Dual axis compensation

NPL-322+ Series

The Nikon NPL-322+ Series of mechanical total stations includes a 2" dual face and 5" single face models. Both NPL-322+ models feature dual axis compensation to correct for errors in tilt in the horizontal and vertical axes, a reflectorless EDM with 400 meter (1300 feet) range, wireless Bluetooth connections to external data collectors and 50,000 point onboard storage.

Using the same rechargeable long life Li-ion battery as the Nivo series, combined with low power consumption design, the NPL-322+ provides the longest possible time in the field. For convenience, the Nikon NPL-322+ total stations include two batteries and a dual charger, to support even the longest of working days.

The NPL-322+ Total Station delivers an economic, versatile, and easy-to-use platform to ensure 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 NPL-322+ IS BUILT TOUGH FOR ALL OCCASIONS.



NIKON NPL-322+ SERIES

DISTANCE MEASUREMENT	WIRELESS COMMUNICATIONS
Range with Nikon specified prisms	Bluetooth
Good conditions (No haze, visibility over 40 km (25 miles))	GENERAL SPECIFICATIONS
With reflector sheet (5 × 5 cm)	
With single prism 6.25 cm (2.5 in)	Level vials Sensitivity of Plate level vial
	Sensitivity of Circular level vial
Range reflectorless mode	Optical plummet
KGC (18%) ¹	Image
Good	Magnification
Normal	Field of view
Difficult	Focusing range
KGC (90%)	, ,
Good ¹	Display 2″
Normal ²	
Difficult ³	5″
	Point memory
Accuracy ISO 17123-4 (Precise mode)	Dimensions (W x D x H)
Prism ²	Weight (approx.)
Reflectorless/Reflector sheet 3±(3+3 ppm × D) mm	Main unit (without battery)
to the	Battery
Measuring interval ⁴	Carrying case
Prism mode	Dual charger and AC adaptor
Precise mode	
Normal mode	Power
Reflectorless mode	Clip-on Li-on battery
Precise mode	Operating time 5 (per battery)
Normal mode	Continuous distance/angle measuren
Least count	Distance/angle measurement every 3
Precise mode	Continuous angle measurement
Normal mode	Charging time
Normal mode IU mm (U.UZ TI)	Full charge
	External power supply
ANGLE MEASUREMENT	1 117
ISO 17123-3 accuracy (horizontal and vertical)	ENVIRONMENTAL
Reading systemPhotoelectric detection by incremental encoder	Ambient temperature range
Circle diameter	Atmospheric correction
Horizontal angle	Temperature range
Vertical angle	Barometric pressure 400 mm
Minimum increment (Degree, Gon, MIL6400)	Dust and water protection
	Buot una water proteotion
	CERTIFICATION
TELESCOPE	Class B Part 15 FCC certification, CE Ma
Tube length	IEC60825-1:2007
ImageErect	Reflectorless mode
Magnification30×(18x/36x with optional eyepieces)	Laser Pointer
Effective diameter of objective	Prism mode
EDM Diameter	1 113111 111000
Field of view	
Resolving power	1 Kodak Gray Card, Catalog number E1527795
Minimum focusing distance	2 ±(2+3 ppm × D) mm -20 °C to -10 °C, +40 °C to +
	1.5m to 5m ± (5 + 3 ppm × D) mm 3 1.5m to 5m ± (10 + 3 ppm × D) mm
	4 Measuring time may vary depending on measur
Laser PointerCoaxial Red Light	4 Measuring time may vary depending on measur measurement, it may take a few seconds.
Laser Pointer	 Measuring time may vary depending on measurement, it may take a few seconds. Battery life specification at 25 °C (77 °F). Opera
Laser Pointer	4 Measuring time may vary depending on measur

GENERAL SPECIFICATIONS	
Level vials	
Sensitivity of Plate level vial	30"/2 mn
Sensitivity of Circular level vial	10'/2 mm
Optical plummet	
Image	Erec
Magnification	
Field of view	5
Focusing range	0.5 m (1.6 ft) to o
Display	
2"	Both sides, backlit, graphic LCD (128 × 64 pixel
5"	Single side, backlit, graphic LCD (128 × 64 pixel
	50,000 record
Dimensions (W x D x H)	168 mm x 173 mm x 335 mm (6.6 in x 6.8 in x 13.1 in
Weight (approx.)	
	4.9 kg (10.8 lb
,	0.1 kg (0.2 lb
	2.5 kg (5.5 lb
Dual charger and AC adaptor	
Power	
	x2 incl
Operating time 5 (per battery)	AZ IIIO
	entapprox. 4.5 hour
) secondsapprox. 11 hours
	approx. 22 hour
Charging time	approx. 22 nour
	4 hours
	N//
ENVIRONMENTAL	
ENVIRONMENTAL	00 90 / 50 90 / / 95 / 100 95
Atmospheric correction	-40 °C to +60 °C (-40 °F to +140 °F
	lg to 999 mmHg/533 hPa to 1,332 hPa/15.8 inHg to 39.3 inH
Dust and water protection	IP5
CERTIFICATION	
Class B Part 15 FCC certification, CE Ma	rk approval.
IEC60825-1:2007	
Reflectorless mode	Class
Laser Pointer	
Prism mode	Class
Kodak Gray Card, Catalog number E1527795	
2 ±(2+3 ppm × D) mm -20 °C to -10 °C, +40 °C to +5	50 °C (-4 °F to +14 °F, +104 °F to +122 °F)
1.5m to 5m ± (5 + 3 ppm × D) mm 3 1.5m to 5m ± (10 + 3 ppm × D) mm	
4 Measuring time may vary depending on measuri	ng distance and conditions. For the initial
measurement, it may take a few seconds.	
Battery life specification at 25 °C (77 °F). Operat	ion time may be shorter if battery is not







CONTACT INFORMATION:

Compensation range . COMMUNICATIONS Communication ports..

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Please visit spectrageospatial.com for the latest product information and to locate your nearest distributor. Specifications and descriptions are subject to change without notice.