SOKKIA

NETOSAXII NET1AXII

3D Station



NETOSAXII/NET1AXII

SPECIFICATIONS

Model		NET05AXII	NET1AXII	
Telescope				
Magnification / Resolving power		30x / 2.5"		
Objective aperture: 45mm (1.	8 in.) (50mm (2.0 in.) for EDM), Im	age: Erect, Field of view: 1°30' (26 m/1,000 r	m), Minimum focus: 1.3 m (4.3 ft.),	
Angle measurement	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		`	
Display resolutions (selectable)		0.1" / 0.5" (0.00002 / 0.0001 gon, 0.000	0.1" / 0.5" (0.00002 / 0.0001 gon, 0.0005 / 0.002 mil)	
Accuracy (ISO 17123-3:2001)		0.5"		
Dual-axis compensator / Collimation compensation		Dual-axis liquid tilt sensor, working rang	ge: ±6' / Collimation compensation	
		available		
IACS (Independent Angle Calil	bration System)	Provided		
Distance measurement				
Laser output*1		Reflectorless mode: Class 3R / Prism/sheet mode: Class 1		
Measuring range	One prism*3	1.3 to 3,500 m (4.3 to 11,480 ft.)		
(under good conditions*2)	Reflective sheet RS50N-R*4	1.3 to 200m (4.3 to 640 ft.)		
	Reflectorless*5	0.5 to 100 m (1.64 to 320 ft.)	0.5 to 400 m (1.64 to 1,310 ft.)	
Minimum display		0.00001 m / 0.0001 m	0.0001 m / 0.001 m	
		(0.0001 ft. / 0.001 ft., 1/64 in. / 1/16	0.001 ft. / 0.01 ft., 1/16 in. / 1/8 in.)	
		in.)		
Accuracy	Prism*3	(0.8 + 1ppm x D) mm	(1 + 1ppm x D) mm	
(ISO 17123-4:2001)	Reflective sheet*4	(0.5 + 1ppm x D) mm	(1 + 1ppm x D) mm	
(D=measuring distance in mm)	Reflectorless*5	(1 + 1ppm x D) mm	(2 + 1ppm x D) mm*6	
Measuring time (Fine mode)*7		0.9s (initial 1.5s)		
Motor				
Туре		DC motor drive		
Rotation speed		85°/s		
Auto-Collimating				
Working range	One prism	1.3 to 1,000 m (4.3 to 3,280 ft.)		
(under avarage conditions*8)	Reflective sheet RS50N-R*9	5 to 50m (16 to 160ft.)		
Sighting accuracy	prism	1" (1 mm @ 200 m)		
(ISO 17123-3)	Reflective sheet*9	4" (1 mm @ 50 m)		
OS, Interface and Data man	nagement			
Operating system		Widnows Embedded CE 6.0		
Display*10		,	3.5inch, transmissive TFT QVGA color LCD with LED backlight, Touch screen, Automatic	
		brightness control		
Keyboard*10		25 keys with backlight		
Trigger key		On right instrument support		
Data storage	Internal memory	500MB (includes memory for program files)		
	Plug-in memory device	USB flash memory (up to 8 GB)		
Calendar / clock function		Provided		
Interface		Serial RS-232C, USB2.0 (Type A / miniB)		
Bluetooth modem*11		Bluetooth Class 1, Ver.2.1+EDR, Operat	ing range: up to 600m (1,960 ft.) 12	
General		1,, (, , , , , , , , , , , , , , , , ,		
Target searchlight		LED (white), Blink / On, selectable		
Laser-pointer			er using EDM beam, ON / OFF, selectable	
Levels	Graphic	6' (Inner Circle)		
	Circular level	10' / 2 mm		
Optical plummet		Magnification: 3x, Minimum focus: 0.3m (11.8in.) from tribrach bottom		
Dust and water protection / Operating temperature Size with handle"10		IP65 (IEC 60529:2001) / -20 to +50°C (-4 to +122°F)		
		Display and keyboard on one face: 230 (W) X 196 (D) X 393 (H) mm		
Weight with battery & tribrach*10			Display and keyboard on both faces: 230 (W) X 207 (D) X 393 (H) mm	
		Display and keyboard on one face: 6.8 kg (15.0 lb)		
		Display and keyboard on both faces: 7.0) kg (15.4 lb)	
Power supply				
		The state of the s		
Battery	BDC72	Li-ion rechargeable battery		
	BDC72 BDC72 External battery (option)	Li-ion rechargeable battery Approx.4 hours BDC60: approx.7 hours, BDC61: approx		

^{*1} IEC60825-1:Ed.2.0:2007 / FDA CDRH 21 CFR Part 1040.10 and 11 *2 Good conditions: No haze, visibility about 40km (25 miles), overcast, no scintillation. *3 Face the prism to the instrument during the measurement with the distance at 10 m or less. *4 Face the reflective sheet target to the instrument. *5 With Kodak Gray Card White Side (90% reflective). When brightness on measured surface is 30,000 lx. or less. Reflectorless range/accuracy may vary according to measuring objects, observation situations and environmental conditions. *6 Measuring range: 0.5 to 200 m *7 Fastest time under good atmospheric conditions*2, no compensation, EDM Act a appropriate setting, slope distance. *8 Average conditions: Slight haze, visibility about 20km (21 miles), sunny periods, weak scintillation. *9 Figures when the Auto Pointing beam strikes within 15° of the reflective sheet target. *10 Control panel and keyboard location may vary depending on region or model. *11 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local office or representative in advance. *12 Paired with RC-PRS, with instrument height to be more than 1.5m, no obstacles (like building structures, trees or vehicles) causing interrupting/reflecting radio wave, few sources of radio emissions/interference in the near vicinity of the instrument, no rain. *13 Fine distance measurement (single) using Auto Pointing, repeated every 30 seconds

Standard package components

INET Main unit |Battery (BDC72) x 2 |Battery charger (CDC77) |Power cable (EDC113A/113B/113C etc.) |Stylus pen |Lens cap |Lens hood |Tool pouch |Screwdriver |Lens brush |Adjusting pin x 2 |Vinyl cover |Wiping cloth |Quick Manual |Standard package components |Precautions for Safe Operation |USB memory (Manual) | Export restrictions card (Be sure to read) |Laser caution sign-board |Carrying case |Carrying strap

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