FX-200 series

Functional X-ellence Station





Standard Package Components

- FX main unit
- Battery (BDC72)
- Battery charger (CDC77)
- Power Cable
- Lens cap
- Lens hood
- Tool pouch
- Precision screwdriver
- Lens brush
- Adjusting pin×2
- Silicon cloth
- Quick manual USB flash drive(Manual)
- Laser caution sign-board
- Carrying case
- Carrying strap

Telescope		
Magnification / Resolving power		30x / 2.5"
Others		Length: 171mm (6.7in.), Objective aperture: 45mm (1.8in.) (48mm
		(1.9in.) for EDM), Image: Erect, Field of view: 1°30' (26m/1,000m),
		Minimum focus: 1.3m (4.3ft.), Reticle illumination: 5 brightness levels
Angle measurement		minimal rocasi non (nota)) reduce manimal on 5 518 rates retus
Display resolution		0.5" / 1" (0.0001 / 0.0002gon, 0.002 / 0.005mil)
Accuracy (ISO 17123-3:2001)		1" 2"
Dual-axis compensator / Collimation compensation		Dual-axis liquid tilt sensor, working range: ±6' (±111mgon) /
		Collimation compensation available
Distance measurement		Collilliation Compensation available
Laser output*1		Reflectorless mode: Class 3R / Prism/sheet mode: Class 1
Measuring range	Reflectorless*3	0.3 to 800m (2,620ft.) / Under good conditions *5 : 1,000m (3,280ft.)
	Reflective sheet*4*5	
(under average conditions*2)		RS90N-K: 1.3 ~ 500m, RS50N-K: 1.3 ~ 300m, RS10N-K: 1.3 ~ 100m
	Mini prism	1.3 to 500m (1,640ft.)
Disaborandotica	One prism	1.3 to 5,000m (4.3 to 16,400ft.) / Under good conditions *6: 1.3 to 6,000m (19,680ft.)
Display resolution	Fine/Rapid measurement	0.0001m(0.001ft. / 1/16in.) / 0.001m (0.005ft. / 1/8in.) (selectable)
. *2	Tracking/Road measurement	0.001m (0.005ft. / 1/8in.) / 0.01m (0.1ft. / 1/2in.) (selectable)
Accuracy ^{*2}	Reflectorless*3	(2 + 2ppm x D) mm ^{*7}
(ISO 17123-4:2001)	Reflective sheet ^{*4}	(2 + 2ppm x D) mm
(D=measuring distance in mm)	Prism	(1.5 + 2ppm x D) mm
Measuring time *8		Fine: 0.9s (initial 1.5s), Rapid: 0.6s (initial 1.3s), Tracking: 0.4s (initial 1.3s)
OS, Interface and Data managen	nent	
Operating system		Windows Embedded Compact7
Display / Keyboard		3.5inch, Transmissive TFT QVGA color LCD with LED backlight,
		Touch screen, Automatic brightness control / 29 keys with backlight
Control panel location *9		On both faces (Face 2 is only touch screen display)
Trigger key		On right instrument support
Data storage	Internal memory	1GB internal memory (includes memory for program files)
244 345 486	Plug-in memory device	USB flash memory
Interface	riag in memory device	Serial RS-232C, USB2.0 (Type A / mini B)
Bluetooth modem (Factory Opti	on) *9	Bluetooth Class 1, Operating range: up to 10m '10
General	ony	biactootii ciass 1, operatiing range, ap to 10111
Guide light *11		Green LED (524nm) and Red LED (626nm),
Oulde light		
*		Operating range: 1.3 to 150m (4.3 to 490ft.)*2
Laser-pointer *11		Coaxial red laser using EDM beam
Calendar / clock function	C 1'	Yes
Levels	Graphic	6'(inner circle)
0 1: 1 1	Circular level	10' / 2mm
Optical plummet		Magnification: 3x, Minimum focus: 0.3m (11.8in.) from tribrach bottom
Laser plummet (option)		Red laser diode (635nm±10nm), Beam accuracy: <=1.0mm@1.3m, Class 2 laser product
Tribrach		Detachable
Dust and water protection		IP65 (IEC 60529:2001)
Operating temperature*11		-20 to 60℃ (-4 to 140°F)
Size (with handle)		191(W)x190(D)x348(H)mm
Instrument height		192.5mm from tribrach mounting surface
		236mm +5/-3mm from tibrach bottom
Weight with battery & tribrach		Approx. 5.7kg (12.3 lb.)
Power supply		
Battery	BDC72	Li-ion rechargeable battery
Operating time (20°C)	BDC72	Approx. 20hours (single distance measurement every 30 seconds)

- *1 IEC60825-1:Ed.2.0:2007 / FDA CDRH 21 CFR Part 1040.10 and 11
- *2 Average conditions: Slight haze, visibility about 20km (12 miles), sunny periods, weak scintillation.
- *3 Fine mode. 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.
- *4 When the measuring beam's incidence angle is within 30° in relation to the reflective sheet target.
- *5 Measuring range in temperatures of -30 to -20°C (-22 to -4°F) with Low Temperature models and 50 to 60°C (122 to 140°F) with High Temperature models: RS90N-K: 1.3 to 300m (4.3 to 980ft.), RS50N-K: 1.3 to 180m (4.3 to 590ft.), RS10N-K: 1.3 to 60m (4.3 to 190ft.)
- *6 Good conditions: No haze, visibility about 40km (25 miles), overcast, no scintillation
- *7 Measuring range:0.3 to 200m
- *8 Typical, under good conditions. Reflectorless measurement time may vary according to measuring objects, observation situations and environm
- *9 Usage approval of Bluetooth wireless technology varies according to country. Please consult your local oce or representative in advance.
 *10 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain.
- *11 The laser-pointer and the guide light do not work simultaneousl
- *12 Low Temperature models:-30 to 50 °C (-22 to 122°F) is available on built-to-order basis.

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FX-200 series

Functional X-ellence Station

For professionals like you

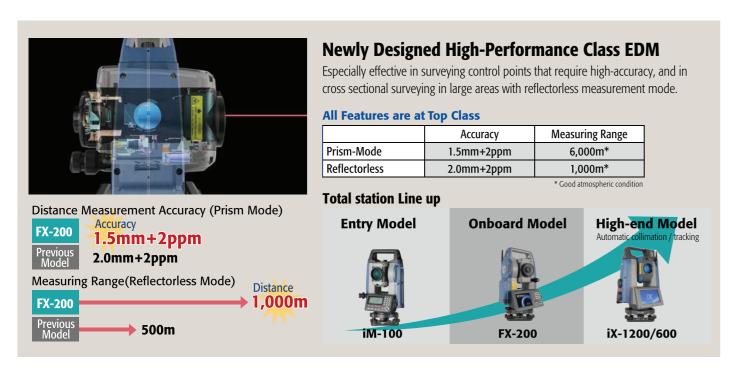
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