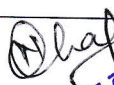



Section V. Technical Specifications

TECHNICAL SPECIFICATION OF TOTAL STATION

S.N.	DESCRIPTION		SPECIFICATION	
1	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/1000m), Min focus: 1.3m (4.3ft) Reticle illumination: 5 brightness levels	
2	Angle Measurement			
	Minimum Display		1"/5" (0.0002/0.001gon, 0.005/0.02mil)	
	Accuracy (ISO 17123-3:2001)		1" to 5"	
	Dual Axis Compensation		Dual-axis liquid tilt sensor, working range : ±6	
	Collimation compensation		On/Off (selectable)	
3	Distance measurement			
	Laser output		Reflector less mode : Class 3R/ Prism/Sheet mode : Class 1	
	Measuring Range (under average condition)	Reflectorless ^{(*)3}		Reflectorless mode : Class 3R / Prism/Sheet mode : Class 1
		Reflective Sheet ^{*5*6}		0.3 to 800m (2.620ft) / Under Conditions : 1000m (3280ft)
		Mini Prism		1.3 to 500m (4.3 to 1640ft)
		One Prism		1.3 to 5000m (4.3 to 1640ft) / Under Good condition ^{*4} : 6000m (19680ft)
	Min. Display		Fine : 0.0001m (0.001ft. /1/16in.) / 0.001m (0.005ft./1/8in.) Selectable Coarse : 0.0001m (0.005ft./1/8in.) / 0.01m (0.02ft./1/2in.) Selectable	
	Accuracy ^{*2} (ISO 17123-4:2001) (D=measuring dist. in mm)	Reflectorless ^{*3}		(2+2ppm x D) mm ^{*B}
		Reflective sheet ^{*5*6}		(2+2ppm x D) mm
		Prism		(1.5+2ppm x D) mm
	Measuring Time ^{*4*9}	Fine		0.9s (initial 1.5s)
Coarse			0.6s (initial 1.3s)	
Tracking			0.4s (initial 1.3s)	
4	OS, Interface and Date management			
	Operating System		Latest	
	Display / Keyboard		Graphic LCD, 192 x 80 dots, Backlight, contrast adjustment / Alphanumeric keyboard / 28 keys with backlight	
	Control Panel Location		On both face	
	Trigger Ley		Yes (right side face)	
	Data Storage	Internal Memory		Approx. 50000 points
		Pull-in Memory		USB flash memory (max. 64 GB)
	Interface			Serial RS-232C, USB2.0 (Type A for USB flash memory)
		Bluetooth modern (option)		Bluetooth Class 1.5, Operating range : up to 10m
5	General			
	Guide Light ^{*12}		Green LED (524nm) and Red LED (626nm), Operating range : 1.3 to 150m (4.3 to 490ft.)	
	Leaser- pointer ^{*12}		Coaxial red laser using EDM beam	
	Levels	Graphic		6' (Inner Circle)
		Circular Level (on tribrach)		10'/2mm
	Plummet	Optical		Magnification: 3x , Min. focus
		Laser		Red laser , Beam accuracy
	Operating time		More Than 24hrs	
Battery		Rechargeable (Li-ion)		
6	Application Program			
	On System		REM Measurement 3D Co-ordinate measurement Area Calculation Route Surveying	
7	Physical		Water Resistance and dust resistance	


 निरज कुमार
 इन्जिनियर


 Mausam Dhungel
 Administrative Officer

TECHNICAL SPECIFICATION OF DUMPY LEVEL /AUTO LEVEL

S.N	Description	Specification
1	Telescope	
	Length	200±20
	Magnification (eye piece)	>28 X
	Image	Erect
	Resolving Power	>3"
	Focusing	0.2m (7.9in.) from end of telescope 0.3 (1 ft.) from instrument centre
2	Horizontal Circle	
	Diameter	>95mm
	Min Div.	1°
3	General	
	Water Resistance	Yes
	Weight	<1.8 Kg.
	Hard Carrying Case	Yes
	User manual	Yes
	Tripod Stand	Yes

TECHNICAL SPECIFICATION OF GPS

S.N.	Description	Specification
1	Technical	±1m or ±2m
2	Display Type	Transflective colour TFT touchscreen
3	Display Resolution	>(240 X 400)
4	Memory	Internal/External
5	Interface	High speed USB
6	Compass	Yes
7	Track Log	more than 18000 points and more than 230 saved tracks
8	Battery	Re-chargeable
9	Battery life	>12 hrs
10	Camera	Yes (auto focus, digital zoom)
11	Wireless Compatible	Yes (Wifi, Bluetooth, ANT+)

TECHNICAL SPECIFICATION OF Prism Set

S.N.	Description	Specification
1	Prism Tripod	Yes (Well-structured and having light weight)
2	Prism Pole	Yes (Galvanized)
3	Single Prism	Sensitive Reflector, Fixing Screw

Note:

Warranty of minimum one year and one copy of operators and owners instructions and maintenance manual in English Language should be supplied with the all above equipment's.

Obaf
निरज कुमार चौधरी
इन्जिनियर

Mausam
Mausam Dhungel
Chief Administrative Officer