

FULL DESCRIPTION / SPECIFICATION:**REFLECTORLESS TOTAL STATION**

Specification	
Product	Motorized Total Station with Auto Collimating Facility and In-built Guide Light Unit
Range : Reflectorless	1000 m or more
Range : Single reflector	3000 m or more
Angular Accuracy (")	1" or better
L.C (Angular ")	0.5" or less
Accuracy (Distance, mm) with reflector mode	$\pm(2\text{mm} + 2\text{ppm} \times D)$ or better
L.C (Distance)	1 mm or less
Data Storage	The instrument should have facility to record data in Internal memory/ Secure Digital memory card/ Memory stick and must have USB interface(s).
Display	Both sides identical high resolution large colour graphic LCD/LED display with backlight and touch screen, It should display full map of points, lines and polygons measured during Field Survey.
Plummet	The instrument should be provided with Plummet for convenience of setting up instrument.
Horizontal and Vertical drives	Motorized
Magnification	30X or better
Compensator	Minimum Dual axis compensator with compensating range $\pm 6'$ or better
Auto pointing/collimating with Prism	600 m or more
Operating System	Windows CE or better
Data downloading	Instrument shall be provided with suitable interface to connect with PC and data downloading software for quick and systematic downloading of data from Total Station.
Onboard software	Inbuilt Application Programs for survey, calculations and staking etc.
Industrial protection	IP 55 or better
Warranty	Minimum 1 Year from the date of supply for the instrument, Battery & Battery Charger against manufacturing defects.
Training	Minimum two Days training should be provided "Free of Cost".
Minimum accessories required with the each Reflectorless Electronic Total Station.	Aluminium telescopic tripod : - 3 Nos. Tribrach with optical plummet : - 3 Nos. Circular Prism : - 3 Nos. 360° prism : - 2 Nos Telescopic Prism Pole : - 2 Nos. Bipod/tripod for prism pole : - 1 Nos. Rechargeable Plug-in battery : - 2 Nos. Charger with suitable adapters and cables : - 1 No.