

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

| Specification | |
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| 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. Tribach 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. |