

TOTAL STATION (BASIC TYPE) CODE TSA-B33

IP55
WATERPROOF

DATA
OUTPUT



tripod (included)

- With rear intersection, setting out, overhang measurement, eccentricity measurement and other functions
- Widely used in surveying and mapping engineering, construction engineering and many other precise measurement fields
- Safe Class 3R laser rangefinder with prism-free range up to 1500m
- Absolute coded goniometric technology, horizontal and vertical discs are easy to measure with a counterpoise probe
- Biaxial liquid photoelectric electronic compensator automatically corrects instrument leveling errors
- Built-in temperature and air pressure sensor automatically corrects distance measurement errors
- Can revise prism constant



single prism (optional)



prism tripod (optional)



measuring tape (included)



USB flash drive (included)

SPECIFICATION

| | | |
|---|-----------------|--|
| Distance measurement (With cooperation target) | measuring range | prism:5000m reflective patch (60mm×60mm):1000m |
| | accuracy | ± (2+D/500)mm, D: measured distance,unit: m |
| | measuring time | continuous measurement: 0.25S, tracking measurement: 0.1S, single measurement: <1.0S |
| Prism-free distance measurement (Without cooperation target) | measuring range | 1500m (Kodak Grey, 90% reflectivity)* |
| | accuracy | 0-300m:± (3+D/500)mm 300-600m:± (5+D/500)mm >600m:± (10+D/500)mm, D: measured distance,unit: m |
| | measuring time | continuous measurement: 0.25S tracking measurement: 0.1S, single measurement: <1.0S |
| Angle accuracy | | ±2" |
| Minimum angular reading | | 0.1"/1" (selectable) |
| Telescope barrel length | | 152mm |
| Telescope magnification | | 30X |
| Field of view | | 1°30" |
| Frame rate | | 3" |
| Minimum focus distance | | 1.5m |
| Compensator | | range: ±6', accuracy: ±1" |
| Tube level bubble | | 30"/2mm |
| Round level bubble | | 8'/2mm |
| Display | screen type | 240×160 dot matrix high definition high brightness display |
| | screen size | 3.1inch |
| | digital display | maximum:99999999.9999m minimum:0.1mm |
| Data transmission | | USB flash drive, bluetooth |
| Power supply | | 7.4V replaceable battery for 8 hours of continuous operation |
| Dimension (L×W×H) | | 206mm×180mm×353mm |
| Weight | | 5.4kg |

* Good weather: overcast sky, light wind, no fog, visibility about 40km

STANDARD DELIVERY

| | |
|----------------------------------|-------|
| Main unit | 1 pc |
| Tripod | 1 pc |
| Power adapter and charging cable | 1 set |
| Li-ion battery | 2 pcs |
| USB flash drive | 1 pc |
| Measuring tape | 1 pc |

OPTIONAL ACCESSORY

| | |
|--------------|-------------|
| Single prism | TSA-B33-PR |
| Prism tripod | TSA-B33-PRT |