

## TOTAL STATION (BASIC TYPE) PART NO.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 4921.26ft
- 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: 16404.20ft reflective patch (2.36×2.36)": 3280.84ft
	accuracy	±(.08+D/41667)", D: measured distance,unit: ft
	measuring time	continuous measurementRange .25S, tracking measurementRange .1S, single measurement: <1.0S
Prism-free distance measurement (Without cooperation target)	measuring range	4921.26ft (Kodak Grey, 90% reflectivity)*
	accuracy	0~.19mi: ±(.12+D/41667)" .19~.37mi: ±(.20+D/41667)" >.37mi: ±(.39+D/41667)", D: measured distance,unit: ft
	measuring time	continuous measurementRange .25S, tracking measurementRange .1S, single measurement: <1.0S
Angle accuracy		±2"
Minimum angular reading		.1"/1" (selectable)
Telescope barrel length		5.91"
Telescope magnification		30X
Field of view		1°30"
Frame rate		3"
Minimum Focus Distance		59.06"
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	3.1"
	digital display	maximum: 99999999.9999ft    minimumRange.0001ft
Data transmission		USB flash drive, bluetooth
Power supply		7.4V replaceable battery for 8 hours of continuous operation
Dimension (L×W×H)		8.11×7.09×13.90"
Weight		11.90lb

\* Good weather: overcast sky, light wind, no fog, visibility about 24.85mile

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