

TTS2 TOTAL STATION

- Affordable price with classical convenient functions, providing accurate and reliable results.



Data Specifications

ANGLE MEASUREMENT

Minimum Readout	1" / 5" / 10" (0.3mgon/1.5mgon/3mgon) adjustable	
Method	Absolute encoding	
Accuracy	2"	
Compensator System	Dual-axis	
Compensator Range	±3'	
Compensator Setting Accuracy	1"	

DISTANCE MEASUREMENT WITH REFLECTOR

Single Prism	3,000m	
Three Prisms	5,000m	
Reflective Sheet	800m	
Accuracy	2mm + 1.5ppm	
Measuring Time	Fine	1s
	Quick	0.8s
	Tracking	0.5s

DISTANCE MEASUREMENT WITHOUT REFLECTOR

Range	600m	
Single Prism	> 7,500m	
Accuracy	3mm + 2ppm	
Measuring Time	1.5s	

TELESCOPE

Magnification	30x	
Image	Erect	
Field of View	1°20' (2.4m at 100m)	
Min. Focusing Range	1.5m	
Reticle	Illuminated	
Effective Diameter of Objective	40mm/50mm (EDM)	

LASER PLUMMET

Type	Laser point, 4 brightness levels adjustment/ Optical plummet (optional)	
Centering Accuracy	1mm at 1.5m instrument height	

OPERATION

System	Real-time operating system	
Display	Dual face high resolution 192 black and white display	
Keyboard	2 sides alpha-numerical back-lit keyboard	
Temperature and Pressure Sensor	No	

GENERAL

Environmental	IP65 environmental protection	
	Humidity 95% (non-condensing)	
	Temperature	-20°C to 50°C Operating -40°C to 70°C Storage
Physical Properties	Resolution	320 x 240 pixels
	Weight	≤5.5kg (12lb) including battery
	Battery	7.4VDC / 3000 mAH
	Operation	Optimally 18 hours