



# TTS2

# TOTAL STATION



## Data Specifications

### ANGLE MEASUREMENT

Minimum Readout	5" (1.5 mgon)
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	2mm + 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