

ELECTRONIC TOTAL STATION NTS SERIES - SPECIFICATIONS

TELESCOPE	NTS-355R	NTS-352	NTS-355	NTS-322	NTS-325
IMAGE					
	Erect				
Magnification	30X				
Effective aperture	45mm (DTM 50mm)				
Resolving power	4"				
Field of view	1° 30'				
Minimum focusing distance	1mm				
DISTANCE MEASUREMENT (under Fair Weather Condition)					
Range					
Reflectorless (No Prism)	100m	-	-	-	-
1 Prism	2.5km	1.8km	1.6km	1.6km	1.6km
3 Prism	-	2.6km	2.3km	2.3km	2.3km
Accuracy					
Reflectorless (No Prism)	5mm+3ppmxD	-	-	-	-
1 Prism	2mm+2ppmxD	2mm+2ppmxD		3mm+2ppmxD	
Minimum count	1mm				
Distance unit	feet or meters (selectable)				
MEASURING TIME					
Fine	3 Seconds				
Tracking	1 Seconds				
Maximum display	999999.999m				
ATMOSPHERIC CORRECTION					
Temperature	C or F				
Atmospheric pressure	hPa / mmH / inHg				
Earth curvature correction	999999.999m				
Prism constant	0mm / 30mm				
ANGLE MEASUREMENT					
Measurement method	Incremental Photoelectronic Encoder				
Detection method	Horizontal: Dual Vertical: Dual				
Accuracy	5"	2"	5"	2"	5"
Minimum readout	1" and 5"				
SENSITIVITY OF VIALS					
Plate vial	30"/2mm				
Circular vial	8'/2mm			3'/2mm	
Vertical compensation	Available				
Type	Liquid-electric detection/Plate level				
Compensator range	+/- 3'				
Resolution	1"				

OPTICAL PLUMMET	
Image	Erect
Magnification	3X
Focus range	0.5m-infinity
Display	Double Side, LCD, Four-line Display
Data port	RS-232
Battery	NiMH Rechargeable
Voltage	6VDC
Operation time	8 hrs (big battery)
Charging time	1.5 hrs
Operating temperature	-20°C~+45°C
Tribrach	Detachable
Tripod thread	5/8"x11