

<b>Model</b>	<b>GTS-102R</b>	
<b>Angle Measurement</b>		
Accuracy	2" (0.6mgon)	
Measuring Mode	Absolute Reading	
Detecting System	Horizontal Angle: 2-sided; Vertical Angle:1-sided	
Minimum Reading	1" (0.2mgon) or 5" (1mgon)	
Measurement Time	≤ 0.3sec.	
Diameter of Circles (HZ and V)	71mm	
<b>Tilt Correction (Automatic Index)</b>		
Tilting Sensor	Liquid-type, automatic Vertical Compensator	
Correction Range	± 3'	
Correction Unit	1" (0.1mgon)	
<b>Telescope</b>		
Magnification	30 x	
Image	Erect	
Objective Aperture	45mm (EDM: 50mm)	
Tube Length	150mm	
Field of View	1° 30'	
Resolution Power	3.0"	
Shortest Focusing Distance	1.3m	
Reticule Illumination	Provided	
<b>Distance Measurement (under good weather conditions)</b>		
Measuring accuracy	w/o Prism	± (5mm+3ppm × D)
	w.Retro Sheet	± (2mm+2ppm × D)
	w.Single Prism	± (2mm+2ppm × D)
Measuring Range	w/o Prism	600m
	w.Retro Sheet	600m
	w.Single Prism	2500m (w.10-20km visibility); 5000m (w.20-40km visibility)
Measuring Least Count	Fine Mode	1mm
	Coarse Mode	10mm
	Tracking mode	10mm
Measuring Time	Fine Mode	1.2sec. (initial 4sec.)
	Coarse Mode	0.7sec. (initial 3sec.)
	Tracking mode	0.4sec. (initial 3sec.)

