



**SOKKIA DT 5AS**



**SOKKIA DT 5S**

<b>Telescope</b>	Length	165mm
	Aperture	45mm
	Magnification	30x
	Resolving Power	3"
	Image	Erect
	Field of View	1°30'(26m/1000m)
	Minimum Focus	0.9m(3ft)
	Stadia Ratio	1:100
	Additive Constant	0
<b>Horizontal Circle</b>	Type	Incremental
	Minimum Display	5"(0.001gon/0.02Mil)
<b>Vertical Circle</b>	Type	Incremental with zero index
	Minimum Display	5"(0.001gon/0.02Mil)
<b>Display – LCD Double 8-digit display on each face</b>	H. Angle Range	0° - 359° 59' 55" (0.399.999gon/0-6399.98mil)
	V. Angle Range	0° - 359° 59' 55" (0.399.999gon/0-6399.98mil) ± 90° 00' 00" (±100gon/1600mil) (±999.909%)

<b>Accuracy</b>	Standard deviation of mean of measurement taken in positions I and II (DIN18723)	5'' (0.0015gon/0.02Mil)
<b>Measuring Mode</b>	Horizontal Angle	Right or Left, Hold
	Vertical Angle	0° at zenith/ 0° horizontal on face left/ 0° horizontal $\pm 90^\circ$ ( $\pm 100$ gon/1600Mil) (% vertical angle)
	Measuring Time	Less than 0.5 second
	Angle Units	Degree/Gon/Mil selectable
<b>Sensitivity of Level</b>	Plate Level	40''/2mm
	Circular	10''/2mm
<b>Optical Plummet</b>	Image	Erect
	Magnification	3x
	Minimum Focus	0.1m(0.3ft)
<b>Data Output</b>	Asynchronous serial, RS-232C compatible	
<b>Self Diagnostic Function</b>	Provided	
<b>Power-Saving Cut-Off</b>	30 minutes after last key operation	
<b>Operating Temperature</b>	-20°C to 50°C (-4°F to 122°F)	
<b>Power Supply</b>	Power Source	Detachable Battery BDC21 (4.8V~6V)
	Working Duration	More than 15 hours at 25°C (77°F) (more than 5 hours at -20°C [-4°F]) (Alkaline batteries R6P, LR6 x 4)
<b>Instrument Height</b>	230mm (187mm from tribach dish)	
<b>Size (with Handle)</b>	143(W) x 165(D) x 335(H) mm (5.6 x 6.5 x 13.2 inch)	
<b>Weight</b>	4.6 kg (10.1lbs) with battery	